

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Acephate	30560-19-1	183.16	EPI Dermwin v2.0	2.048E-11	5.01E-13	EPI HenryWin v3.2	1.35	CRC 89th Ed					10	EPI KOCWIN v2.0	818000	EPI WATERNT v.01
Acetaldehyde	75-07-0	44.05	EPI Dermwin v2.0	0.0027269	0.0000667	EPI HenryWin v3.2	0.7834	CRC 89th Ed	0.12771	USEPA 2001	0.0000135	USEPA 2001	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Acetochlor	34256-82-1	269.77	EPI Dermwin v2.0	9.1169E-07	2.23E-08	EPI HenryWin v3.2							298.4	EPI KOCWIN v2.0	223	EPI WATERNT v.01
Acetone	67-64-1	58.08	EPI Dermwin v2.0	0.0014309	0.000035	EPI HenryWin v3.2	0.7845	CRC 89th Ed	0.105923	USEPA 2001	0.0000115	USEPA 2001	2.364	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Acetone Cyanohydrin	75-86-5	85.11	EPI Dermwin v2.0	0.0005315	0.000013	EPI HenryWin v3.2	0.932	CRC 89th Ed	0.085946	USEPA 2001	0.0000101	USEPA 2001	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Acetonitrile	75-05-8	41.05	EPI Dermwin v2.0	0.0014105	0.0000345	EPI HenryWin v3.2	0.7857	CRC 89th Ed	0.134	USEPA 2001	0.0000141	USEPA 2001	4.67	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Acetophenone	98-86-2	120.15	EPI Dermwin v2.0	0.0004252	0.0000104	EPI HenryWin v3.2	1.0281	CRC 89th Ed	0.065222	USEPA 2001	8.7229E-06	USEPA 2001	51.85	EPI KOCWIN v2.0	6130	EPI WATERNT v.01
Acetylaminofluorene, 2-	53-96-3	223.28	EPI Dermwin v2.0	7.8496E-09	1.92E-10	EPI HenryWin v3.2							2206	EPI KOCWIN v2.0	8.4607	EPI WATERNT v.01
Acrolein	107-02-8	56.06	EPI Dermwin v2.0	0.0049877	0.000122	EPI HenryWin v3.2	0.84	CRC 89th Ed	0.111693	USEPA 2001	0.0000122	USEPA 2001	1	EPI KOCWIN v2.0	212000	EPI WATERNT v.01
Acrylamide	79-06-1	71.08	EPI Dermwin v2.0	6.9501E-08	1.7E-09	EPI HenryWin v3.2							5.694	EPI KOCWIN v2.0	390000	EPI WATERNT v.01
Acrylic Acid	79-10-7	72.06	EPI Dermwin v2.0	0.0000151	0.00000037	EPI HenryWin v3.2	1.0511	CRC 89th Ed	0.102722	EPA 2002	0.0000012	EPA 2002	1.44	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Acrylonitrile	107-13-1	53.06	EPI Dermwin v2.0	0.0056419	0.000138	EPI HenryWin v3.2	0.8007	CRC 89th Ed	0.11369	USEPA 2001	0.0000123	USEPA 2001	8.511	EPI KOCWIN v2.0	74500	EPI WATERNT v.01
Adiponitrile	111-69-3	108.14	EPI Dermwin v2.0	4.9469E-08	1.21E-09	EPI HenryWin v3.2	0.9676	CRC 89th Ed	0.070778	EPA 2002	8.9598E-06	EPA 2002	20.18	EPI KOCWIN v2.0	80000	EPI WATERNT v.01
Alachlor	15972-60-8	269.77	EPI Dermwin v2.0	3.4015E-07	8.32E-09	EPI HenryWin v3.2	1.133	CRC 89th Ed					312.3	EPI KOCWIN v2.0	240	EPI WATERNT v.01
Aldicarb	116-06-3	190.26	EPI Dermwin v2.0	5.8872E-08	1.44E-09	EPI HenryWin v3.2	1.195	CRC 89th Ed					24.64	EPI KOCWIN v2.0	6030	EPI WATERNT v.01
Aldicarb Sulfone	1646-88-4	222.26	EPI Dermwin v2.0	1.3778E-07	3.37E-09	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	10000	EPI WATERNT v.01
Aldrin	309-00-2	364.92	EPI Dermwin v2.0	0.0017989	0.000044	EPI HenryWin v3.2							82020	EPI KOCWIN v2.0	0.017	EPI WATERNT v.01
Allyl	74223-64-6	381.37	EPI Dermwin v2.0	5.397E-15	1.32E-16	EPI HenryWin v3.2							92.5	EPI KOCWIN v2.0	9500	EPI WATERNT v.01
Allyl Alcohol	107-18-6	58.08	EPI Dermwin v2.0	0.000204	0.00000499	EPI HenryWin v3.2	0.854	CRC 89th Ed	0.109755	EPA 2002	0.0000121	EPA 2002	1.904	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Allyl Chloride	107-05-1	76.53	EPI Dermwin v2.0	0.4497138	0.011	EPI HenryWin v3.2	0.9376	CRC 89th Ed	0.093607	USEPA 2001	0.0000108	USEPA 2001	39.6	EPI KOCWIN v2.0	3370	EPI WATERNT v.01
Aluminum	7429-90-5	30.01	EPI Dermwin v2.0				2.7	CRC 89th Ed							0	CRC 89th Ed
Aluminum Phosphide	20859-73-8	57.96	EPI Dermwin v2.0				2.4	CRC 89th Ed							0	CRC 89th Ed
Amdro	67485-29-4	494.49	EPI Dermwin v2.0	0.0000899	0.0000022	EPI HenryWin v3.2							179700000	EPI KOCWIN v2.0	0.006	EPI WATERNT v.01
Ametryn	834-12-8	227.33	EPI Dermwin v2.0	9.9346E-08	2.43E-09	EPI HenryWin v3.2							428.2	EPI KOCWIN v2.0	209	EPI WATERNT v.01
Aminobiphenyl, 4-	92-67-1	169.23	EPI Dermwin v2.0	7.0728E-06	0.000000173	EPI HenryWin v3.2							2471	EPI KOCWIN v2.0	128.81	EPI WATERNT v.01
Aminophenol, m-	591-27-5	109.13	EPI Dermwin v2.0	1.0957E-08	2.68E-10	EPI HenryWin v3.2							90.2	EPI KOCWIN v2.0	27000	EPI WATERNT v.01
Aminophenol, p-	123-30-8	109.13	EPI Dermwin v2.0	1.4677E-08	3.59E-10	EPI HenryWin v3.2							90.2	EPI KOCWIN v2.0	16000	EPI WATERNT v.01
Amitraz	33089-61-1	293.42	EPI Dermwin v2.0	0.0004035	0.00000987	EPI HenryWin v3.2	1.128	CRC 89th Ed					257300	EPI KOCWIN v2.0	1	EPI WATERNT v.01
Ammonia	7664-41-7	17.03	EPI Dermwin v2.0	0.0006582		HLC from PHYPROP converted to H ⁺	0.696	CRC 89th Ed							482000	CRC 89th Ed
Ammonium Perchlorate	7790-98-9	117.49	EPI Dermwin v2.0				1.95	CRC 89th Ed							200000	EPI WATERNT v.01
Ammonium Sulfamate	7773-06-0	97.09	EPI Dermwin v2.0												147000	EPI WATERNT v.01
Aniline	62-53-3	93.13	EPI Dermwin v2.0	0.0000826	0.00000202	EPI HenryWin v3.2	1.0217	CRC 89th Ed	0.083011	EPA 2002	0.0000101	EPA 2002	70.23	EPI KOCWIN v2.0	36000	EPI WATERNT v.01
Antimony (metallic)	7440-36-0	124.78	EPI Dermwin v2.0				6.68	CRC 89th Ed							0	CRC 89th Ed
Antimony Pentoxide	1314-60-9	323.52	EPI Dermwin v2.0				3.78	CRC 89th Ed							3000	CRC 89th Ed
Antimony Potassium Tartrate	11071-15-1	613.83	EPI Dermwin v2.0												52600	EPI WATERNT v.01
Antimony Tetroxide	1332-81-6	307.52	EPI Dermwin v2.0				6.64	CRC 89th Ed								CRC 89th Ed
Antimony Trioxide	1309-64-4	291.52	EPI Dermwin v2.0				5.58	CRC 89th Ed							1	EPI WATERNT v.01
Apollo	74115-24-5	303.15	EPI Dermwin v2.0	1.5944E-08	3.9E-10	EPI HenryWin v3.2							30210	EPI KOCWIN v2.0		
Aramite	140-57-8	334.86	EPI Dermwin v2.0	7.7678E-06	0.00000019	EPI HenryWin v3.2	1.143	CRC 89th Ed					5550	EPI KOCWIN v2.0	2.5922	EPI WATERNT v.01
Arsenic, Inorganic	7440-38-2	77.95	EPI Dermwin v2.0				5.75	CRC 89th Ed							0	CRC 89th Ed
Arsine	7784-42-1	77.95	EPI Dermwin v2.0				3.186	CRC 89th Ed							957.6	CRC 89th Ed
Assure	76578-14-8	372.81	EPI Dermwin v2.0	4.3336E-07	1.06E-08	EPI HenryWin v3.2							7736	EPI KOCWIN v2.0	0.3	EPI WATERNT v.01
Asulam	3337-71-1	230.24	EPI Dermwin v2.0	6.991E-11	1.71E-12	EPI HenryWin v3.2							27.8	EPI KOCWIN v2.0	5000	EPI WATERNT v.01
Atrazine	1912-24-9	215.69	EPI Dermwin v2.0	9.6484E-08	2.36E-09	EPI HenryWin v3.2							224.5	EPI KOCWIN v2.0	34.7	EPI WATERNT v.01
Auramine	492-80-8	267.38	EPI Dermwin v2.0	1.4881E-07	3.64E-09	EPI HenryWin v3.2							4456	EPI KOCWIN v2.0	10000	EPI WATERNT v.01
Avermectin B1	65195-55-3	875.12	EPI Dermwin v2.0	5.397E-26	1.32E-27	EPI HenryWin v3.2							876700	EPI KOCWIN v2.0	1.4194	EPI WATERNT v.01
Azobenzene	103-33-3	182.23	EPI Dermwin v2.0	0.0005519	0.0000135	EPI HenryWin v3.2	1.09	Merk	0.034319	USEPA 2001	7.0365E-06	USEPA 2001	3759	EPI KOCWIN v2.0	6.4	EPI WATERNT v.01
Barium	7440-39-3	137.33	EPI Dermwin v2.0				3.62	CRC 89th Ed							0	CRC 89th Ed
Baygon	114-26-1	209.25	EPI Dermwin v2.0	5.8463E-08	1.43E-09	EPI HenryWin v3.2	1.12	CRC 89th Ed					59.95	EPI KOCWIN v2.0	1860	EPI WATERNT v.01
Bayleton	43121-43-3	293.76	EPI Dermwin v2.0	3.3156E-09	8.11E-11	EPI HenryWin v3.2	1.22	CRC 89th Ed					298.5	EPI KOCWIN v2.0	71.5	EPI WATERNT v.01
Baythroid	68359-37-5	434.3	EPI Dermwin v2.0	1.1856E-06	0.000000029	EPI HenryWin v3.2							130600	EPI KOCWIN v2.0	0.003	EPI WATERNT v.01
Benefin	1861-40-1	335.29	EPI Dermwin v2.0	0.011897	0.000291	EPI HenryWin v3.2							16390	EPI KOCWIN v2.0	0.1	EPI WATERNT v.01
Benomyl	17804-35-2	290.32	EPI Dermwin v2.0	2.016E-10	4.93E-12	EPI HenryWin v3.2							336.2	EPI KOCWIN v2.0	3.8	EPI WATERNT v.01
Bentazon	25057-89-0	240.28	EPI Dermwin v2.0	8.9125E-08	2.18E-09	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	500	EPI WATERNT v.01
Benzaldehyde	100-52-7	106.13	EPI Dermwin v2.0	0.0010916	0.0000267	EPI HenryWin v3.2	1.0401	CRC 89th Ed	0.074393	USEPA 2001	9.4627E-06	USEPA 2001	11.09	EPI KOCWIN v2.0	6950	EPI WATERNT v.01
Benzene	71-43-2	78.11	EPI Dermwin v2.0	0.2269011	0.00555	EPI HenryWin v3.2	0.8765	CRC 89th Ed	0.089538	USEPA 2001	0.0000103	USEPA 2001	145.8	EPI KOCWIN v2.0	1790	EPI WATERNT v.01
Benzethiol	108-98-5	110.17	EPI Dermwin v2.0	0.0136958	0.000335	EPI HenryWin v3.2	1.0775	CRC 89th Ed	0.072863	USEPA 2001	9.4511E-06	USEPA 2001	233.9	EPI KOCWIN v2.0	835	EPI WATERNT v.01
Benzidine	92-87-5	184.24	EPI Dermwin v2.0	2.8823E-09	7.05E-11	EPI HenryWin v3.2							1190	EPI KOCWIN v2.0	322	EPI WATERNT v.01
Benzoic Acid	65-85-0	122.12	EPI Dermwin v2.0	1.5576E-06	3.81E-08	EPI HenryWin v3.2	1.2659	CRC 89th Ed					16.55	EPI KOCWIN v2.0	3400	EPI WATERNT v.01
Benztrochloride	98-07-7	195.48	EPI Dermwin v2.0	0.0106296	0.00026	EPI HenryWin v3.2	1.3723	CRC 89th Ed	0.031256	USEPA 2001	7.746E-06	USEPA 2001	1001	EPI KOCWIN v2.0	53	EPI WATERNT v.01
Benzyl Alcohol	100-51-6	108.14	EPI Dermwin v2.0	0.0000138	0.000000337	EPI HenryWin v3.2	1.0419	CRC 89th Ed	0.073119	EPA 2002	9.3665E-06	EPA 2002	21.46	EPI KOCWIN v2.0	42900	EPI WATERNT v.01
Benzyl Chloride	100-44-7	126.59	EPI Dermwin v2.0	0.0168438	0.000412	EPI HenryWin v3.2	1.1004	CRC 89th Ed	0.063362	USEPA 2001	8.8057E-06	USEPA 2001	446.1	EPI KOCWIN v2.0	525	EPI WATERNT v.01
Beryllium and compounds	7440-41-7	9.01	EPI Dermwin v2.0				1.85	CRC 89th Ed							0	Lange's 15th Ed
Bidrin	141-66-2	237.19	EPI Dermwin v2.0	2.0564E-09	5.03E-11	EPI HenryWin v3.2	1.216	CRC 89th Ed								

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Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	D _w (cm ² /s)	D _w Ref	K _{oc} (L/kg)	K _{oc} Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Bis(2-chloro-1-methylethyl) ether	108-60-1	171.07	EPI Dermwin v2.0	0.0030335	0.0000742	EPI HenryWin v3.2	1.103	CRC 89th Ed	0.039889	USEPA 2001	7.3606E-06	USEPA 2001	82.92	EPI KOCWIN v2.0	1700	EPI WATERNT v.01
Bis(2-chloroethoxy)methane	111-91-1	173.04	EPI Dermwin v2.0	0.0001574	0.00000385	EPI HenryWin v3.2							14.38	EPI KOCWIN v2.0	7800	EPI WATERNT v.01
Bis(2-chloroethyl)ether	111-44-4	143.01	EPI Dermwin v2.0	0.000695	0.000017	EPI HenryWin v3.2	1.22	CRC 89th Ed	0.056719	USEPA 2001	8.707E-06	USEPA 2001	32.21	EPI KOCWIN v2.0	17200	EPI WATERNT v.01
Bis(2-ethylhexyl)phthalate	117-81-7	390.57	EPI Dermwin v2.0	0.000011	0.00000027	EPI HenryWin v3.2	0.981	CRC 89th Ed					119600	EPI KOCWIN v2.0	0.27	EPI WATERNT v.01
Bis(chloromethyl)ether	542-88-1	114.96	EPI Dermwin v2.0	0.1782502	0.00436	EPI HenryWin v3.2	1.323	CRC 89th Ed	0.0763	USEPA 2001	0.0000104	USEPA 2001	9.699	EPI KOCWIN v2.0	22000	EPI WATERNT v.01
Bisphenol A	80-05-7	228.29	EPI Dermwin v2.0	3.745E-10	9.16E-12	EPI HenryWin v3.2							37670	EPI KOCWIN v2.0	120	EPI WATERNT v.01
Boron And Borates Only	7440-42-8	13.84	EPI Dermwin v2.0				2.34	CRC 89th Ed							0	CRC 89th Ed
Boron Trifluoride	7637-07-2	67.81	EPI Dermwin v2.0				2.772	CRC 89th Ed							3320000	EPI WATERNT v.01
Bromate	15541-45-4	79.9	EPI Dermwin v2.0													
Bromo-2-chloroethane, 1-	107-04-0	143.41	EPI Dermwin v2.0	0.0371627	0.000909	EPI HenryWin v3.2	1.7392	CRC 89th Ed	0.065925	USEPA 2001	0.0000108	USEPA 2001	39.6	EPI KOCWIN v2.0	6900	EPI WATERNT v.01
Bromobenzene	108-86-1	157.01	EPI Dermwin v2.0	0.1009812	0.00247	EPI HenryWin v3.2	1.495	CRC 89th Ed	0.053713	USEPA 2001	9.3004E-06	USEPA 2001	233.9	EPI KOCWIN v2.0	446	EPI WATERNT v.01
Bromodichloromethane	75-27-4	163.83	EPI Dermwin v2.0	0.0866721	0.00212	EPI HenryWin v3.2	1.98	CRC 89th Ed	0.056263	USEPA 2001	0.0000107	USEPA 2001	31.82	EPI KOCWIN v2.0	3030	EPI WATERNT v.01
Bromoform	75-25-2	252.73	EPI Dermwin v2.0	0.0218724	0.000535	EPI HenryWin v3.2	2.8788	CRC 89th Ed					31.82	EPI KOCWIN v2.0	3100	EPI WATERNT v.01
Bromomethane	74-83-9	94.94	EPI Dermwin v2.0	0.3000818	0.00734	EPI HenryWin v3.2			0.100497	USEPA 2001	0.0000135	USEPA 2001	13.22	EPI KOCWIN v2.0	1500	EPI WATERNT v.01
Bromophos	2104-96-3	365.99	EPI Dermwin v2.0	0.0008381	0.000205	EPI HenryWin v3.2	1.6755	CRC 89th Ed					2019	EPI KOCWIN v2.0	0.3	EPI WATERNT v.01
Bromoxynil	1689-84-5	276.92	EPI Dermwin v2.0	5.3966E-09	1.32E-10	EPI HenryWin v3.2							330.1	EPI KOCWIN v2.0	130	EPI WATERNT v.01
Bromoxynil Octanoate	1689-99-2	403.12	EPI Dermwin v2.0	0.0013042	0.0000319	EPI HenryWin v3.2							4252	EPI KOCWIN v2.0	0.08	EPI WATERNT v.01
Butadiene, 1,3-	106-99-0	54.09	EPI Dermwin v2.0	3.0089943	0.0736	EPI HenryWin v3.2	0.6149	CRC 89th Ed	0.100351	USEPA 2001	0.0000103	USEPA 2001	39.6	EPI KOCWIN v2.0	735	EPI WATERNT v.01
Butanol, N-	71-36-3	74.12	EPI Dermwin v2.0	0.0003602	0.00000881	EPI HenryWin v3.2	0.8095	CRC 89th Ed	0.090042	EPA 2002	0.0000101	EPA 2002	3.471	EPI KOCWIN v2.0	63200	EPI WATERNT v.01
Butyl Benzyl Phthlate	85-68-7	312.37	EPI Dermwin v2.0	0.0000515	0.00000126	EPI HenryWin v3.2	1.119	CRC 89th Ed					7155	EPI KOCWIN v2.0	2.69	EPI WATERNT v.01
Butyl alcohol, sec-	78-92-2	74.12	EPI Dermwin v2.0	0.0003704	0.00000906	EPI HenryWin v3.2	0.8063	CRC 89th Ed					2.919	EPI KOCWIN v2.0	181000	EPI WATERNT v.01
Butylate	2008-41-5	217.37	EPI Dermwin v2.0	0.0034546	0.0000845	EPI HenryWin v3.2	0.9402	CRC 89th Ed					385.7	EPI KOCWIN v2.0	45	EPI WATERNT v.01
Butylated hydroxyanisole	25013-16-5	180.25	EPI Dermwin v2.0	0.0000478	0.00000117	EPI HenryWin v3.2							840.7	EPI KOCWIN v2.0	742.97	EPI WATERNT v.01
Butylphthalyl Butylglycolate	85-70-1	336.39	EPI Dermwin v2.0	1.2592E-07	3.08E-09	EPI HenryWin v3.2							11240	EPI KOCWIN v2.0	8.4709	EPI WATERNT v.01
Cacodylic Acid	75-60-5	138	EPI Dermwin v2.0										43.89	EPI KOCWIN v2.0	2000000	EPI WATERNT v.01
Cadmium (Diet)	7440-43-9	112.41	EPI Dermwin v2.0				8.69	CRC 89th Ed							0	CRC 89th Ed
Cadmium (Water)	7440-43-9	112.41	EPI Dermwin v2.0				8.69	CRC 89th Ed							0	CRC 89th Ed
Caprolactam	105-60-2	113.16	EPI Dermwin v2.0	1.0343E-06	2.53E-08	EPI HenryWin v3.2							24.5	EPI KOCWIN v2.0	772000	EPI WATERNT v.01
Captaol	2425-06-1	349.06	EPI Dermwin v2.0	2.0114E-07	4.92E-09	EPI HenryWin v3.2							782.7	EPI KOCWIN v2.0	1.4	EPI WATERNT v.01
Captan	133-06-2	300.59	EPI Dermwin v2.0	2.8618E-07	0.000000007	EPI HenryWin v3.2	1.74	CRC 89th Ed					252.2	EPI KOCWIN v2.0	5.1	EPI WATERNT v.01
Carbaryl	63-25-2	201.23	EPI Dermwin v2.0	1.3369E-07	3.27E-09	EPI HenryWin v3.2	1.228	CRC 89th Ed					354.8	EPI KOCWIN v2.0	110	EPI WATERNT v.01
Carbofuran	1563-66-2	221.26	EPI Dermwin v2.0	1.2633E-07	3.09E-09	EPI HenryWin v3.2	1.18	CRC 89th Ed					95.25	EPI KOCWIN v2.0	320	EPI WATERNT v.01
Carbon Disulfide	75-15-0	76.13	EPI Dermwin v2.0	0.5887163	0.0144	EPI HenryWin v3.2	1.2632	CRC 89th Ed	0.106447	USEPA 2001	0.000013	USEPA 2001	21.73	EPI KOCWIN v2.0	2160	EPI WATERNT v.01
Carbon Tetrachloride	56-23-5	153.82	EPI Dermwin v2.0	1.1283729	0.0276	EPI HenryWin v3.2	1.594	CRC 89th Ed	0.057144	USEPA 2001	9.7849E-06	USEPA 2001	43.89	EPI KOCWIN v2.0	793	EPI WATERNT v.01
Carbosulfan	55285-14-8	380.55	EPI Dermwin v2.0	0.0000209	0.000000512	EPI HenryWin v3.2	1.056	CRC 89th Ed					11960	EPI KOCWIN v2.0	0.3	EPI WATERNT v.01
Carboxin	5234-68-4	235.3	EPI Dermwin v2.0	1.3083E-08	3.2E-10	EPI HenryWin v3.2							169.4	EPI KOCWIN v2.0	147	EPI WATERNT v.01
Ceric oxide	1306-38-3	172.11	EPI Dermwin v2.0				7.216	CRC 89th Ed							107000	EPI WATERNT v.01
Chloral Hydrate	302-17-0	165.4	EPI Dermwin v2.0	4.4563E-09	1.09E-10	EPI HenryWin v3.2	1.9081	CRC 89th Ed	0.054399	EPA 2002	0.0000104	EPA 2002	1	EPI KOCWIN v2.0	793000	EPI WATERNT v.01
Chloramben	133-90-4	206.03	EPI Dermwin v2.0	1.5822E-09	3.87E-11	EPI HenryWin v3.2							21.37	EPI KOCWIN v2.0	700	EPI WATERNT v.01
Chloranil	118-75-2	245.88	EPI Dermwin v2.0	1.3369E-08	3.27E-10	EPI HenryWin v3.2							308.1	EPI KOCWIN v2.0	250	EPI WATERNT v.01
Chlordane	12789-03-6	409.78	EPI Dermwin v2.0	0.0019869	0.0000486	EPI HenryWin v3.2	1.6	CRC 87th edition					33780	EPI KOCWIN v2.0	0.056	EPI WATERNT v.01
Chlordecone (Kepone)	143-50-0	490.64	EPI Dermwin v2.0	2.1995E-06	5.38E-08	EPI HenryWin v3.2	1.61	CRC 89th Ed					17500	EPI KOCWIN v2.0	2.7	EPI WATERNT v.01
Chlorfenvinphos	470-90-6	359.58	EPI Dermwin v2.0	1.1815E-06	2.89E-08	EPI HenryWin v3.2							1264	EPI KOCWIN v2.0	124	EPI WATERNT v.01
Chlorimuron, Ethyl-	90982-32-4	414.82	EPI Dermwin v2.0	7.441E-14	1.82E-15	EPI HenryWin v3.2							71.79	EPI KOCWIN v2.0	1200	EPI WATERNT v.01
Chlorine	7782-50-5	70.91	EPI Dermwin v2.0	0.4783		HLC from PHYPROP converted to H ⁺	2.898	CRC 89th Ed							6300	EPI WATERNT v.01
Chlorine Dioxide	10049-04-4	67.45	EPI Dermwin v2.0				2.757	CRC 89th Ed							112000	CRC 89th Ed
Chlorite (Sodium Salt)	7758-19-2	90.44	EPI Dermwin v2.0												640000	CRC 89th Ed
Chloro-1,1-difluoroethane, 1-	75-68-3	100.5	EPI Dermwin v2.0	2.4039248	0.0588	EPI HenryWin v3.2	1.107	CRC 89th Ed	0.080393	USEPA 2001	0.0000101	USEPA 2001	43.89	EPI KOCWIN v2.0	1400	EPI WATERNT v.01
Chloro-1,3-butadiene, 2-	126-99-8	88.54	EPI Dermwin v2.0	2.2935405	0.0561	EPI HenryWin v3.2	0.956	CRC 89th Ed	0.084147	USEPA 2001	0.00001	USEPA 2001	60.7	EPI KOCWIN v2.0	836.92	EPI WATERNT v.01
Chloro-2-methylaniline HCl, 4-	3165-93-3	141.6	EPI Dermwin v2.0	0.0000814	0.00000199	EPI HenryWin v3.2			0.069938	USEPA 1987	8.1717E-06	USEPA 1987	184.5	EPI KOCWIN v2.0	1732.4	EPI WATERNT v.01
Chloroacetaldehyde, 2-	107-20-0	78.5	EPI Dermwin v2.0	0.00074	0.0000181	EPI HenryWin v3.2	1.19	CRC 89th Ed	0.101505	USEPA 2001	0.0000123	USEPA 2001	1	EPI KOCWIN v2.0	266780	EPI WATERNT v.01
Chloroacetic Acid	79-11-8	94.5	EPI Dermwin v2.0	3.7858E-07	9.26E-09	EPI HenryWin v3.2	1.4043	CRC 89th Ed					1.44	EPI KOCWIN v2.0	858000	EPI WATERNT v.01
Chloroacetophenone, 2-	532-27-4	154.6	EPI Dermwin v2.0	0.0001349	0.0000033	EPI HenryWin v3.2	1.324	CRC 89th Ed	0.052239	EPA 2002	8.7273E-06	EPA 2002	98.9	EPI KOCWIN v2.0	2484.9	EPI WATERNT v.01
Chloroaniline, p-	106-47-8	127.57	EPI Dermwin v2.0	0.0000474	0.00000116	EPI HenryWin v3.2	1.429	CRC 89th Ed	0.070385	EPA 2002	0.0000103	EPA 2002	112.7	EPI KOCWIN v2.0	3900	EPI WATERNT v.01
Chlorobenzene	108-90-7	112.56	EPI Dermwin v2.0	0.1271464	0.00311	EPI HenryWin v3.2	1.1058	CRC 89th Ed	0.072131	USEPA 2001	9.4765E-06	USEPA 2001	233.9	EPI KOCWIN v2.0	498	EPI WATERNT v.01
Chlorobenzilate	510-15-6	325.19	EPI Dermwin v2.0	2.9599E-06	7.24E-08	EPI HenryWin v3.2	1.2816	CRC 89th Ed					1539	EPI KOCWIN v2.0	13	EPI WATERNT v.01
Chlorobenzoic Acid, p-	74-11-3	156.57	EPI Dermwin v2.0	1.5863E-06	3.88E-08	EPI HenryWin v3.2							26.56	EPI KOCWIN v2.0	72	EPI WATERNT v.01
Chlorobenzotrifluoride, 4-	98-56-6	180.56	EPI Dermwin v2.0	1.4186427	0.0347	EPI HenryWin v3.2	1.334	CRC 89th Ed	0.0385	USEPA 2001	7.9872E-06	USEPA 2001	1606	EPI KOCWIN v2.0	11723	EPI WATERNT v.01
Chlorobutane, 1-	109-69-3	92.57	EPI Dermwin v2.0	0.6827473	0.0167	EPI HenryWin v3.2	0.8857	CRC 89th Ed	0.078413	USEPA 2001	9.3274E-06	USEPA 2001	72.17	EPI KOCWIN v2.0	1100	EPI WATERNT v.01
Chlorodifluoromethane	75-45-6	86.47	EPI Dermwin v2.0	1.6598528	0.0406	EPI HenryWin v3.2	1.4909	CRC 89th Ed	0.103378	USEPA 2001	0.0000133	USEPA 2001	31.82	EPI KOCWIN v2.0	2770	EPI WATERNT v.01
Chloroform	67-66-3	119.38	EPI Dermwin v2.0	0.1500409	0.00367	EPI HenryWin v3.2	1.4788	CRC 89th Ed	0.07692	USEPA 2001	0.0000109	USEPA 2001	31.82	EPI KOCWIN v2.0	7950	

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Dichloroacetic Acid	79-43-6	128.94	EPI Dermwin v2.0	3.426E-07	8.38E-09	EPI HenryWin v3.2	1.5634	CRC 89th Ed	0.072234	EPA 2002	0.0000108	EPA 2002	2.252	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Dichlorobenzene, 1,2-	95-50-1	147	EPI Dermwin v2.0	0.0784955	0.00192	EPI HenryWin v3.2	1.3059	CRC 89th Ed	0.05617	USEPA 2001	8.9213E-06	USEPA 2001	382.9	EPI KOCWIN v2.0	156	EPI WATERNT v.01
Dichlorobenzene, 1,4-	106-46-7	147	EPI Dermwin v2.0	0.0985282	0.00241	EPI HenryWin v3.2	1.2475	CRC 89th Ed	0.055043	USEPA 2001	8.6797E-06	USEPA 2001	375.3	EPI KOCWIN v2.0	81.3	EPI WATERNT v.01
Dichlorobenzidine, 3,3'-	91-94-1	253.13	EPI Dermwin v2.0	2.0891E-09	5.11E-11	EPI HenryWin v3.2							3190	EPI KOCWIN v2.0	3.1	EPI WATERNT v.01
Dichlorobenzophenone, 4,4'-	90-98-2	251.11	EPI Dermwin v2.0	0.0000437	0.00000107	EPI HenryWin v3.2	1.45	CRC 89th Ed					2927	EPI KOCWIN v2.0	7.802	EPI WATERNT v.01
Dichlorodifluoromethane	75-71-8	120.91	EPI Dermwin v2.0	14.022895	0.343	EPI HenryWin v3.2			0.077704	USEPA 1987	0.0791E-06	USEPA 1987	43.89	EPI KOCWIN v2.0	280	EPI WATERNT v.01
Dichloroethane, 1,1-	75-34-3	98.96	EPI Dermwin v2.0	0.2297629	0.00562	EPI HenryWin v3.2	1.1757	CRC 89th Ed	0.083645	USEPA 2001	0.0000106	USEPA 2001	31.82	EPI KOCWIN v2.0	540	EPI WATERNT v.01
Dichloroethane, 1,2-	107-06-2	98.96	EPI Dermwin v2.0	0.048242	0.00118	EPI HenryWin v3.2	1.2454	CRC 89th Ed	0.085722	USEPA 2001	0.000011	USEPA 2001	39.6	EPI KOCWIN v2.0	8600	EPI WATERNT v.01
Dichloroethylene, 1,1-	75-35-4	96.94	EPI Dermwin v2.0	1.0670482	0.0261	EPI HenryWin v3.2	1.213	CRC 89th Ed	0.086314	USEPA 2001	0.000011	USEPA 2001	31.82	EPI KOCWIN v2.0	2420	EPI WATERNT v.01
Dichloroethylene, 1,2- (Mixed Isomers)	540-59-0	96.94	EPI Dermwin v2.0	0.1668029	0.00408	EPI HenryWin v3.2			0.090036	USEPA 1987	0.0000105	USEPA 1987	39.6	EPI KOCWIN v2.0	3500	EPI WATERNT v.01
Dichloroethylene, 1,2-cis-	156-59-2	96.94	EPI Dermwin v2.0	0.1668029	0.00408	EPI HenryWin v3.2	1.2837	CRC 89th Ed	0.088409	USEPA 2001	0.0000113	USEPA 2001	39.6	EPI KOCWIN v2.0	6410	EPI WATERNT v.01
Dichloroethylene, 1,2-trans-	156-60-5	96.94	EPI Dermwin v2.0	0.1668029	0.00408	EPI HenryWin v3.2	1.2565	CRC 89th Ed	0.087613	USEPA 2001	0.0000112	USEPA 2001	39.6	EPI KOCWIN v2.0	4520	EPI WATERNT v.01
Dichlorophenol, 2,4-	120-83-2	163	EPI Dermwin v2.0	0.0001754	0.00000429	EPI HenryWin v3.2			0.063674	USEPA 1987	7.4398E-06	USEPA 1987	491.8	EPI KOCWIN v2.0	4500	EPI WATERNT v.01
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	221.04	EPI Dermwin v2.0	1.4473E-06	3.54E-08	EPI HenryWin v3.2							29.63	EPI KOCWIN v2.0	677	EPI WATERNT v.01
Dichlorophenoxybutyric Acid, 4-(2,4-	94-82-6	249.1	EPI Dermwin v2.0	2.3998E-07	5.87E-09	EPI HenryWin v3.2							98.4	EPI KOCWIN v2.0	46	EPI WATERNT v.01
Dichloropropane, 1,2-	78-87-5	112.99	EPI Dermwin v2.0	0.1152903	0.00282	EPI HenryWin v3.2			0.081294	USEPA 1987	9.4986E-06	USEPA 1987	60.7	EPI KOCWIN v2.0	2800	EPI WATERNT v.01
Dichloropropane, 1,3-	142-28-9	112.99	EPI Dermwin v2.0	0.0399019	0.000976	EPI HenryWin v3.2	1.1785	CRC 89th Ed	0.073874	USEPA 2001	9.3623E-06	USEPA 2001	72.17	EPI KOCWIN v2.0	2750	EPI WATERNT v.01
Dichloropropanol, 2,3-	616-23-9	128.99	EPI Dermwin v2.0	1.48E-07	3.62E-09	EPI HenryWin v3.2	1.3607	CRC 89th Ed					5.568	EPI KOCWIN v2.0	60820	EPI WATERNT v.01
Dichloropropene, 1,3-	542-75-6	110.97	EPI Dermwin v2.0	0.1451349	0.00355	EPI HenryWin v3.2			0.082278	USEPA 1987	9.6135E-06	USEPA 1987	72.17	EPI KOCWIN v2.0	2800	EPI WATERNT v.01
Dichlorvos	62-73-7	220.98	EPI Dermwin v2.0	0.0000235	0.000000574	EPI HenryWin v3.2	1.415	CRC 89th Ed					53.96	EPI KOCWIN v2.0	8000	EPI WATERNT v.01
Dicyclopentadiene	77-73-6	132.21	EPI Dermwin v2.0	2.5551922	0.0625	EPI HenryWin v3.2			0.073211	USEPA 1987	8.5541E-06	USEPA 1987	1513	EPI KOCWIN v2.0	13.687	EPI WATERNT v.01
Dieldrin	60-57-1	380.91	EPI Dermwin v2.0	0.0004088	0.00001	EPI HenryWin v3.2	1.75	CRC 89th Ed					20090	EPI KOCWIN v2.0	0.195	EPI WATERNT v.01
Diesel Engine Exhaust	NA															
Diethanolamine	111-42-2	105.14	EPI Dermwin v2.0	1.5822E-09	3.87E-11	EPI HenryWin v3.2	1.0966	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Diethyl Phthalate	84-66-2	222.24	EPI Dermwin v2.0	0.0000249	0.00000061	EPI HenryWin v3.2	1.232	CRC 89th Ed					104.9	EPI KOCWIN v2.0	1080	EPI WATERNT v.01
Diethylene Glycol Monobutyl Ether	112-34-5	162.23	EPI Dermwin v2.0	2.9436E-07	7.2E-09	EPI HenryWin v3.2	0.9553	CRC 89th Ed					10.9	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Diethylene Glycol Monoethyl Ether	111-90-0	134.18	EPI Dermwin v2.0	9.1169E-07	2.23E-08	EPI HenryWin v3.2	0.9885	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Diethylformamide	617-84-5	101.15	EPI Dermwin v2.0	5.3148E-06	0.00000013	EPI HenryWin v3.2	0.908	CRC 89th Ed					2.06	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Diethylstilbestrol	56-53-1	268.36	EPI Dermwin v2.0	2.371E-10	5.8E-12	EPI HenryWin v3.2							274100	EPI KOCWIN v2.0	12	EPI WATERNT v.01
Difenoquat	43222-48-6	360.43	EPI Dermwin v2.0										78880	EPI KOCWIN v2.0	817000	EPI WATERNT v.01
Diflubenzuron	35367-38-5	310.69	EPI Dermwin v2.0	1.8806E-07	4.6E-09	EPI HenryWin v3.2							463.2	EPI KOCWIN v2.0	0.08	EPI WATERNT v.01
Difluoroethane, 1,1-	75-37-6	66.05	EPI Dermwin v2.0	0.8299264	0.0203	EPI HenryWin v3.2	0.896	CRC 89th Ed	0.102316	USEPA 2001	0.0000115	USEPA 2001	31.82	EPI KOCWIN v2.0	3200	EPI WATERNT v.01
Dihydrosafrole	94-58-6	164.21	EPI Dermwin v2.0	6.7457073	0.165	EPI HenryWin v3.2			0.063361	USEPA 1987	7.4032E-06	USEPA 1987	207.2	EPI KOCWIN v2.0	5.7277	EPI WATERNT v.01
Diisopropyl Ether	108-20-3	102.18	EPI Dermwin v2.0	0.1046607	0.00256	EPI HenryWin v3.2	0.7192	CRC 89th Ed	0.065423	USEPA 2001	7.7582E-06	USEPA 2001	22.79	EPI KOCWIN v2.0	8800	EPI WATERNT v.01
Diisopropyl Methylphosphonate	1445-75-6	180.19	EPI Dermwin v2.0	0.0017907	0.0000438	EPI HenryWin v3.2			0.059557	USEPA 1987	6.9588E-06	USEPA 1987	42.2	EPI KOCWIN v2.0	1500	EPI WATERNT v.01
Dimethipin	55290-64-7	210.26	EPI Dermwin v2.0	9.403E-10	2.3E-11	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	4600	EPI WATERNT v.01
Dimethoate	60-51-5	229.25	EPI Dermwin v2.0	9.9346E-09	2.43E-10	EPI HenryWin v3.2	1.277	CRC 89th Ed					12.77	EPI KOCWIN v2.0	23300	EPI WATERNT v.01
Dimethoxybenzidine, 3,3'-	119-90-4	244.3	EPI Dermwin v2.0	1.9052E-09	4.66E-11	EPI HenryWin v3.2							508.8	EPI KOCWIN v2.0	60	EPI WATERNT v.01
Dimethyl methylphosphonate	756-79-6	124.08	EPI Dermwin v2.0	0.0000511	0.00000125	EPI HenryWin v3.2	1.1684	CRC 89th Ed	0.06658	EPA 2002	9.2386E-06	EPA 2002	5.407	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Dimethylamino azobenzene [p-]	60-11-7	225.3	EPI Dermwin v2.0	9.5666E-06	0.000000234	EPI HenryWin v3.2							2028	EPI KOCWIN v2.0	0.23	EPI WATERNT v.01
Dimethylamine HCl, 2,4-	21436-96-4	121.18	EPI Dermwin v2.0	0.0001022	0.0000025	EPI HenryWin v3.2			0.077589	USEPA 1987	9.0657E-06	USEPA 1987	184.5	EPI KOCWIN v2.0	2175.5	EPI WATERNT v.01
Dimethylaniline, 2,4-	95-68-1	121.18	EPI Dermwin v2.0	0.0001022	0.0000025	EPI HenryWin v3.2	0.9723	CRC 89th Ed	0.063025	EPA 2002	8.3925E-06	EPA 2002	184.5	EPI KOCWIN v2.0	2175.5	EPI WATERNT v.01
Dimethylaniline, N,N-	121-69-7	121.18	EPI Dermwin v2.0	0.0023222	0.0000568	EPI HenryWin v3.2	0.9557	CRC 89th Ed	0.062541	USEPA 2001	8.3063E-06	USEPA 2001	78.67	EPI KOCWIN v2.0	1450	EPI WATERNT v.01
Dimethylbenzidine, 3,3'-	119-93-7	212.3	EPI Dermwin v2.0	3.3115E-09	8.1E-11	EPI HenryWin v3.2							3190	EPI KOCWIN v2.0	1300	EPI WATERNT v.01
Dimethylformamide	68-12-2	73.1	EPI Dermwin v2.0	3.0213E-06	7.39E-08	EPI HenryWin v3.2	0.9445	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Dimethylhydrazine, 1,1-	57-14-7	60.1	EPI Dermwin v2.0	2.8414E-06	6.95E-08	EPI HenryWin v3.2	0.791	CRC 89th Ed					11.95	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Dimethylhydrazine, 1,2-	540-73-8	60.1	EPI Dermwin v2.0	2.8414E-06	6.95E-08	EPI HenryWin v3.2	0.8274	CRC 89th Ed					14.87	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Dimethylphenol, 2,4-	105-67-9	122.17	EPI Dermwin v2.0	0.0000389	0.000000951	EPI HenryWin v3.2	0.965	CRC 89th Ed	0.062245	EPA 2002	8.314E-06	EPA 2002	491.8	EPI KOCWIN v2.0	7870	EPI WATERNT v.01
Dimethylphenol, 2,6-	576-26-1	122.17	EPI Dermwin v2.0	0.0002719	0.00000665	EPI HenryWin v3.2			0.077169	USEPA 1987	9.0166E-06	USEPA 1987	501.9	EPI KOCWIN v2.0	6050	EPI WATERNT v.01
Dimethylphenol, 3,4-	95-65-8	122.17	EPI Dermwin v2.0	0.000017	0.000000415	EPI HenryWin v3.2	0.983	CRC 89th Ed	0.062762	EPA 2002	8.4067E-06	EPA 2002	491.8	EPI KOCWIN v2.0	4760	EPI WATERNT v.01
Dimethylterephthalate	120-61-6	194.19	EPI Dermwin v2.0	0.0054783	0.000134	EPI HenryWin v3.2	1.075	CRC 89th Ed	0.028533	USEPA 2001	6.7171E-06	USEPA 2001	30.96	EPI KOCWIN v2.0	19	EPI WATERNT v.01
Dimethylvinylchloride	513-37-1	90.55	EPI Dermwin v2.0	3.311529	0.081	EPI HenryWin v3.2	0.9186	CRC 89th Ed	0.081174	USEPA 2001	9.6608E-06	USEPA 2001	60.7	EPI KOCWIN v2.0	1000	EPI WATERNT v.01
Dinitro-o-cresol, 4,6-	534-52-1	198.14	EPI Dermwin v2.0	0.0000572	0.0000014	EPI HenryWin v3.2			0.055904	USEPA 1987	6.5319E-06	USEPA 1987	75.4	EPI KOCWIN v2.0	198	EPI WATERNT v.01
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	266.26	EPI Dermwin v2.0	1.3818E-09	3.38E-11	EPI HenryWin v3.2							16540	EPI KOCWIN v2.0	15	EPI WATERNT v.01
Dinitrobenzene, 1,2-	528-29-0	168.11	EPI Dermwin v2.0	2.1791E-06	5.33E-08	EPI HenryWin v3.2	1.3119	CRC 89th Ed	0.044718	EPA 2002	8.2538E-06	EPA 2002	358.8	EPI KOCWIN v2.0	133	EPI WATERNT v.01
Dinitrobenzene, 1,3-	99-65-0	168.11	EPI Dermwin v2.0	2.0033E-06	0.000000049	EPI HenryWin v3.2	1.5751	CRC 89th Ed					351.6	EPI KOCWIN v2.0	533	EPI WATERNT v.01
Dinitrobenzene, 1,4-	100-25-4	168.11	EPI Dermwin v2.0	0.0000151	0.00000037	EPI HenryWin v3.2	1.625	CRC 89th Ed	0.049167	EPA 2002	9.3849E-06	EPA 2002	351.6	EPI KOCWIN v2.0	69	EPI WATERNT v.01
Dinitrophenol, 2,4-	51-28-5	184.11	EPI Dermwin v2.0	3.5159E-06	0.000000086	EPI HenryWin v3.2										

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm·m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
~TCDD, 2,3,7,8-	1746-01-6	321.98	EPI Dermwin v2.0	0.0020442	0.00005	EPI HenryWin v3.2							249100	EPI KOCWIN v2.0	0.0002	EPI WATERNT v.01
Diphenamid	957-51-7	239.32	EPI Dermwin v2.0	1.4841E-09	3.63E-11	EPI HenryWin v3.2	1.17	CRC 89th Ed					4798	EPI KOCWIN v2.0	260	EPI WATERNT v.01
Diphenyl Sulfone	127-63-9	218.27	EPI Dermwin v2.0	0.0000102	0.000000249	EPI HenryWin v3.2	1.252	CRC 89th Ed					1109	EPI KOCWIN v2.0	9.4191	EPI WATERNT v.01
Diphenylamine	122-39-4	169.23	EPI Dermwin v2.0	0.000011	0.00000269	EPI HenryWin v3.2	1.158	CRC 89th Ed	0.041706	EPA 2002	7.628E-06	EPA 2002	825.8	EPI KOCWIN v2.0	53	EPI WATERNT v.01
Diphenylhydrazine, 1,2-Diquat	122-66-7	184.24	EPI Dermwin v2.0	0.0000195	0.000000478	EPI HenryWin v3.2	1.158	CRC 89th Ed					1505	EPI KOCWIN v2.0	221	EPI WATERNT v.01
Direct Black 38	85-00-7	344.05	EPI Dermwin v2.0	5.805E-12	1.42E-13	EPI HenryWin v3.2	1.24	CRC 89th Ed					9272	EPI KOCWIN v2.0	708000	EPI WATERNT v.01
Direct Blue 6	1937-37-7	737.77	EPI Dermwin v2.0	3.365E-38	8.23E-40	EPI HenryWin v3.2							242000000	EPI KOCWIN v2.0	55.937	EPI WATERNT v.01
Direct Brown 95	2602-46-2	821.67	EPI Dermwin v2.0	6.705E-42	1.64E-43	EPI HenryWin v3.2							790800000	EPI KOCWIN v2.0	8.2167E-07	EPI WATERNT v.01
Disulfoton	16071-86-6	760.11	EPI Dermwin v2.0	0.0000883	0.00000216	EPI HenryWin v3.2	1.144	CRC 89th Ed					6985000	EPI KOCWIN v2.0	9.7133E-07	EPI WATERNT v.01
	298-04-4	274.39	EPI Dermwin v2.0										837.9	EPI KOCWIN v2.0	16.3	EPI WATERNT v.01
Dithiane, 1,4-Diuron	505-29-3	120.23	EPI Dermwin v2.0	0.0017171	0.000042	EPI HenryWin v3.2			0.077997	USEPA 1987	9.1133E-06	USEPA 1987	145.8	EPI KOCWIN v2.0	3000	EPI WATERNT v.01
Dodine	330-54-1	233.1	EPI Dermwin v2.0	2.0605E-08	5.04E-10	EPI HenryWin v3.2							109.1	EPI KOCWIN v2.0	42	EPI WATERNT v.01
	2439-10-3	287.45	EPI Dermwin v2.0	3.6836E-09	9.01E-11	EPI HenryWin v3.2							2482	EPI KOCWIN v2.0	630	EPI WATERNT v.01
EPTC	759-94-4	189.32	EPI Dermwin v2.0	0.00065	0.0000159	EPI HenryWin v3.2	0.9546	CRC 89th Ed	0.029126	USEPA 2001	6.3511E-06	USEPA 2001	164.1	EPI KOCWIN v2.0	375	EPI WATERNT v.01
Endosulfan	115-29-7	406.92	EPI Dermwin v2.0	0.0026574	0.000065	EPI HenryWin v3.2	1.745	CRC 89th Ed					6761	EPI KOCWIN v2.0	0.325	EPI WATERNT v.01
Endothall	145-73-3	186.17	EPI Dermwin v2.0	1.574E-14	3.85E-16	EPI HenryWin v3.2	1.431	CRC 89th Ed					19.41	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Endrin	72-20-8	380.91	EPI Dermwin v2.0	0.0004088	0.00001	EPI HenryWin v3.2							20090	EPI KOCWIN v2.0	0.25	EPI WATERNT v.01
Epichlorohydrin	106-89-8	92.53	EPI Dermwin v2.0	0.0012428	0.0000304	EPI HenryWin v3.2	1.1812	Merk	0.088808	USEPA 2001	0.0000111	USEPA 2001	9.907	EPI KOCWIN v2.0	65900	EPI WATERNT v.01
Epoxybutane, 1,2-	106-88-7	72.11	EPI Dermwin v2.0	0.007359	0.00018	EPI HenryWin v3.2	0.8297	CRC 89th Ed	0.092894	USEPA 2001	0.0000104	USEPA 2001	9.907	EPI KOCWIN v2.0	95000	EPI WATERNT v.01
Ethephon	16672-87-0	144.5	EPI Dermwin v2.0	2.33E-10	5.7E-12	EPI HenryWin v3.2	1.2	CRC 89th Ed					5.028	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethion	563-12-2	384.46	EPI Dermwin v2.0	0.0000155	0.00000379	EPI HenryWin v3.2	1.22	CRC 89th Ed					882	EPI KOCWIN v2.0	2	EPI WATERNT v.01
Ethoxyethanol Acetate, 2-	111-15-9	132.16	EPI Dermwin v2.0	0.0001308	0.0000032	EPI HenryWin v3.2	0.974	CRC 89th Ed	0.05695	EPA 2002	7.9753E-06	EPA 2002	4.542	EPI KOCWIN v2.0	247000	EPI WATERNT v.01
Ethoxyethanol, 2-Ethyl Acetate	110-80-5	90.12	EPI Dermwin v2.0	0.0000192	0.00000047	EPI HenryWin v3.2	0.9253	CRC 89th Ed	0.081756	EPA 2002	9.7308E-06	EPA 2002	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethyl Acrylate	141-78-6	88.11	EPI Dermwin v2.0	0.0054783	0.000134	EPI HenryWin v3.2	0.9003	CRC 89th Ed	0.082314	USEPA 2001	9.7026E-06	USEPA 2001	5.583	EPI KOCWIN v2.0	80000	EPI WATERNT v.01
Ethyl Chloride	75-00-3	64.52	EPI Dermwin v2.0	0.4538021	0.0111	EPI HenryWin v3.2	0.9234	CRC 89th Ed	0.074539	USEPA 2001	9.1242E-06	USEPA 2001	10.65	EPI KOCWIN v2.0	15000	EPI WATERNT v.01
Ethyl Ether	60-29-7	74.12	EPI Dermwin v2.0	0.0502862	0.00123	EPI HenryWin v3.2	0.8902	CRC 89th Ed	0.103754	USEPA 2001	0.0000116	USEPA 2001	21.73	EPI KOCWIN v2.0	6710	EPI WATERNT v.01
Ethyl Methacrylate	97-63-2	114.15	EPI Dermwin v2.0	0.023426	0.000573	EPI HenryWin v3.2	0.7138	CRC 89th Ed	0.085248	USEPA 2001	9.3639E-06	USEPA 2001	9.699	EPI KOCWIN v2.0	60400	EPI WATERNT v.01
	2104-64-5	323.31	EPI Dermwin v2.0	0.0000182	0.000000444	EPI HenryWin v3.2	0.9135	CRC 89th Ed	0.065344	USEPA 2001	8.3794E-06	USEPA 2001	16.66	EPI KOCWIN v2.0	5400	EPI WATERNT v.01
Ethyl-p-nitrophenyl Phosphonate	100-41-4	106.17	EPI Dermwin v2.0	0.3221586	0.00788	EPI HenryWin v3.2	1.27	CRC 89th Ed					15470	EPI KOCWIN v2.0	3.11	EPI WATERNT v.01
Ethylene Cyanohydrin	109-78-4	71.08	EPI Dermwin v2.0	3.0662E-07	7.5E-09	EPI HenryWin v3.2	0.8626	CRC 89th Ed	0.068465	USEPA 2001	8.4558E-06	USEPA 2001	446.1	EPI KOCWIN v2.0	169	EPI WATERNT v.01
	107-15-3	60.1	EPI Dermwin v2.0	7.0728E-08	1.73E-09	EPI HenryWin v3.2	1.0404	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethylene Glycol	107-21-1	62.07	EPI Dermwin v2.0	2.453E-06	0.00000006	EPI HenryWin v3.2	0.8979	CRC 89th Ed	0.062619	EPA 2002	8.1419E-06	EPA 2002	14.87	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethylene Glycol Monobutyl Ether	111-76-2	118.18	EPI Dermwin v2.0	0.0000654	0.0000016	EPI HenryWin v3.2	1.1135	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
	75-21-8	44.05	EPI Dermwin v2.0	0.0060507	0.000148	EPI HenryWin v3.2	0.9015	CRC 89th Ed	0.133972	USEPA 2001	0.0000145	USEPA 2001	3.237	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethylene Oxide	96-45-7	102.15	EPI Dermwin v2.0	0.0000137	0.000000336	EPI HenryWin v3.2	0.8821	CRC 89th Ed	0.086948	USEPA 1987	0.0000102	USEPA 1987	12.97	EPI KOCWIN v2.0	20000	EPI WATERNT v.01
Ethylene Thiourea	151-56-4	43.07	EPI Dermwin v2.0	0.0004947	0.0000121	EPI HenryWin v3.2	0.832	CRC 89th Ed	0.132827	USEPA 2001	0.0000142	USEPA 2001	9.043	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Ethylphthalyl Ethyl Glycolate	84-72-0	280.28	EPI Dermwin v2.0	3.1603E-08	7.73E-10	EPI HenryWin v3.2							1019	EPI KOCWIN v2.0	992.56	EPI WATERNT v.01
Express	101200-48-0	395.39	EPI Dermwin v2.0	4.17E-12	1.02E-13	EPI HenryWin v3.2	1.15	CRC 89th Ed					94.69	EPI KOCWIN v2.0	50	EPI WATERNT v.01
Fenamiphos	22224-92-6	303.36	EPI Dermwin v2.0	4.9469E-08	1.21E-09	EPI HenryWin v3.2							398	EPI KOCWIN v2.0	329	EPI WATERNT v.01
Fenpropathrin	39515-41-8	349.43	EPI Dermwin v2.0	0.0003123	0.00000764	EPI HenryWin v3.2							22490	EPI KOCWIN v2.0	0.33	EPI WATERNT v.01
Fluometuron	2164-17-2	232.21	EPI Dermwin v2.0	1.067E-07	2.61E-09	EPI HenryWin v3.2							285.3	EPI KOCWIN v2.0	110	EPI WATERNT v.01
Fluoride	16984-48-8	38	EPI Dermwin v2.0				1.553	CRC 89th Ed					1	EPI KOCWIN v2.0	1.69	EPI WATERNT v.01
Fluorine (Soluble Fluoride)	7782-41-4	38	EPI Dermwin v2.0										56770	EPI KOCWIN v2.0	12	EPI WATERNT v.01
Fluridone	59756-60-4	329.32	EPI Dermwin v2.0	3.3115E-07	8.1E-09	EPI HenryWin v3.2							2189	EPI KOCWIN v2.0	114	EPI WATERNT v.01
Flurprimidol	56425-91-3	312.29	EPI Dermwin v2.0	5.3557E-08	1.31E-09	EPI HenryWin v3.2							2558	EPI KOCWIN v2.0	6.53	EPI WATERNT v.01
Flutolanil	66332-96-5	323.32	EPI Dermwin v2.0	1.3001E-07	3.18E-09	EPI HenryWin v3.2							730000	EPI KOCWIN v2.0	0.005	EPI WATERNT v.01
Fluvalinate	69409-94-5	502.92	EPI Dermwin v2.0	5.928E-07	1.45E-08	EPI HenryWin v3.2							17.7	EPI KOCWIN v2.0	0.8	EPI WATERNT v.01
Folpet	133-07-3	296.56	EPI Dermwin v2.0	3.1316E-06	7.66E-08	EPI HenryWin v3.2							1546	EPI KOCWIN v2.0	50	EPI WATERNT v.01
Fomesafen	72178-02-0	438.76	EPI Dermwin v2.0	3.078E-11	7.53E-13	EPI HenryWin v3.2	1.28	CRC 89th Ed					855.8	EPI KOCWIN v2.0	15.7	EPI WATERNT v.01
Fonofos	944-22-9	246.32	EPI Dermwin v2.0	0.0002854	0.00000698	EPI HenryWin v3.2	1.16	CRC 89th Ed					1	EPI KOCWIN v2.0	400000	EPI WATERNT v.01
Formaldehyde	50-00-0	30.03	EPI Dermwin v2.0	0.0000138	0.000000337	EPI HenryWin v3.2	0.815	CRC 89th Ed	0.167073	EPA 2002	0.0000174	EPA 2002				
Formic Acid	64-18-6	46.03	EPI Dermwin v2.0	6.8275E-06	0.000000167	EPI HenryWin v3.2	1.22	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Fosetyl-AL	39148-24-8	354.11	EPI Dermwin v2.0										6485	EPI KOCWIN v2.0	111000	EPI WATERNT v.01
Furans																
*Dibenzofuran	132-64-9	168.2	EPI Dermwin v2.0	0.0087081	0.000213	EPI HenryWin v3.2	1.0886	CRC 89th Ed	0.04105	USEPA 2001	7.3773E-06	USEPA 2001	9161	EPI KOCWIN v2.0	3.1	EPI WATERNT v.01
*Furan	110-00-9	68.08	EPI Dermwin v2.0	0.2207686	0.0054	EPI HenryWin v3.2	0.9514	CRC 89th Ed	0.102673	USEPA 2001	0.0000117	USEPA 2001	79.99	EPI KOCWIN v2.0	10000	EPI WATERNT v.01
Furazolidone	67-45-8	225.16	EPI Dermwin v2.0	1.3328E-09	3.26E-11	EPI HenryWin v3.2							85.94	EPI KOCWIN v2.0	40	EPI WATERNT v.01
Furfural	98-01-1	96.09	EPI Dermwin v2.0	0.0001541	0.00000377	EPI HenryWin v3.2	1.1594	CRC 89th Ed	0.085318	EPA 2002	0.0000107	EPA 2002	6.083	EPI KOCWIN v2.0	74100	EPI WATERNT v.01
Furium	531-82-8	253.23	EPI Dermwin v2.0	5.437E-14	1.33E-15	EPI HenryWin v3.2							577.6	EPI KOCWIN v2.0	4205.3	EPI WATERNT v.01
Furmecycloz	60568-05-0	251.33	EPI Dermwin v2.0	2.8168E-07	6.89E-09	EPI HenryWin v3.2							429	EPI KOCWIN v2.0	0.3	EPI WATERNT v.01
Glufosinate, Ammonium	77182-82-2	198.16	EPI Dermwin v2.0	1.034E-22	2.53E-24	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	1370000	E

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H [*] (unitless)	HLC (atm-m ³ /mole)	H [*] and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Haloxyfop, Methyl	69806-40-2	375.73	EPI Dermwin v2.0	0.000013	0.000000319	EPI HenryWin v3.2							5454	EPI KOCWIN v2.0	9.3	EPI WATERNT v.01
Harmony	79277-27-3	387.39	EPI Dermwin v2.0	1.668E-12	4.08E-14	EPI HenryWin v3.2							50.76	EPI KOCWIN v2.0	2240	EPI WATERNT v.01
Heptachlor	76-44-8	373.32	EPI Dermwin v2.0	0.0120196	0.000294	EPI HenryWin v3.2	1.57	CRC 89th Ed					41260	EPI KOCWIN v2.0	0.18	EPI WATERNT v.01
Heptachlor Epoxide	1024-57-3	389.32	EPI Dermwin v2.0	0.0008585	0.000021	EPI HenryWin v3.2							10110	EPI KOCWIN v2.0	0.2	EPI WATERNT v.01
Hexabromobenzene	87-82-1	551.49	EPI Dermwin v2.0	0.0011488	0.0000281	EPI HenryWin v3.2							2807	EPI KOCWIN v2.0	0.00016	EPI WATERNT v.01
Hexabromodiphenyl ether, 2,2',4,4',5,5'-(BDE-153)	68631-49-2														0.0009	IRIS Profile
Hexachlorobenzene	118-74-1	284.78	EPI Dermwin v2.0	0.0695012	0.0017	EPI HenryWin v3.2	2.044	CRC 89th Ed					6195	EPI KOCWIN v2.0	0.0062	EPI WATERNT v.01
Hexachlorobutadiene	87-68-3	260.76	EPI Dermwin v2.0	0.4210957	0.0103	EPI HenryWin v3.2	1.556	CRC 89th Ed					845.2	EPI KOCWIN v2.0	3.2	EPI WATERNT v.01
Hexachlorocyclohexane, Alpha-	319-84-6	290.83	EPI Dermwin v2.0	0.0002101	0.00000514	EPI HenryWin v3.2							2807	EPI KOCWIN v2.0	2	EPI WATERNT v.01
Hexachlorocyclohexane, Beta-	319-85-7	290.83	EPI Dermwin v2.0	0.0002101	0.00000514	EPI HenryWin v3.2	1.89	CRC 89th Ed					2807	EPI KOCWIN v2.0	0.24	EPI WATERNT v.01
Hexachlorocyclohexane, Gamma-(Lindane)	58-89-9	290.83	EPI Dermwin v2.0	0.0002101	0.00000514	EPI HenryWin v3.2							2807	EPI KOCWIN v2.0	7.3	EPI WATERNT v.01
Hexachlorocyclohexane, Technical	608-73-1	290.83	EPI Dermwin v2.0	0.0002101	0.00000514	EPI HenryWin v3.2							2807	EPI KOCWIN v2.0	8	EPI WATERNT v.01
Hexachlorocyclopentadiene	77-47-4	272.77	EPI Dermwin v2.0	1.103843	0.027	EPI HenryWin v3.2	1.7019	CRC 89th Ed					1404	EPI KOCWIN v2.0	1.8	EPI WATERNT v.01
Hexachloroethane	67-72-1	236.74	EPI Dermwin v2.0	0.1590352	0.00389	EPI HenryWin v3.2	2.091	CRC 89th Ed					196.8	EPI KOCWIN v2.0	50	EPI WATERNT v.01
Hexachlorophene	70-30-4	406.91	EPI Dermwin v2.0	2.24E-11	5.48E-13	EPI HenryWin v3.2							668600	EPI KOCWIN v2.0	140	EPI WATERNT v.01
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	222.12	EPI Dermwin v2.0	8.217E-10	2.01E-11	EPI HenryWin v3.2	1.82	CRC 89th Ed					89.07	EPI KOCWIN v2.0	59.7	EPI WATERNT v.01
Hexamethylene Diisocyanate, 1,6-	822-06-0	168.2	EPI Dermwin v2.0	0.0019624	0.000048	EPI HenryWin v3.2	1.0528	CRC 89th Ed	0.040426	USEPA 2001	7.2308E-06	USEPA 2001	4818	EPI KOCWIN v2.0	179.03	EPI WATERNT v.01
Hexane, N-	110-54-3	86.18	EPI Dermwin v2.0	73.589534	1.8	EPI HenryWin v3.2	0.6606	CRC 89th Ed	0.073106	USEPA 2001	8.1657E-06	USEPA 2001	131.5	EPI KOCWIN v2.0	9.5	EPI WATERNT v.01
Hexanedioic Acid	124-04-9	146.14	EPI Dermwin v2.0	1.926E-10	4.71E-12	EPI HenryWin v3.2	1.36	CRC 89th Ed					24.34	EPI KOCWIN v2.0	30800	EPI WATERNT v.01
Hexanone, 2-	591-78-6	100.16	EPI Dermwin v2.0	0.0038103	0.0000932	EPI HenryWin v3.2	0.8113	CRC 89th Ed	0.070356	USEPA 2001	8.4404E-06	USEPA 2001	14.98	EPI KOCWIN v2.0	17200	EPI WATERNT v.01
Hexazinone	51235-04-2	252.32	EPI Dermwin v2.0	9.24E-11	2.26E-12	EPI HenryWin v3.2	1.25	CRC 89th Ed					129.4	EPI KOCWIN v2.0	33000	EPI WATERNT v.01
Hydrazine	302-01-2	32.05	EPI Dermwin v2.0				1.0036	CRC 89th Ed							1000000	EPI WATERNT v.01
Hydrazine Sulfate	10034-93-2	128.1	EPI Dermwin v2.0				1.378	CRC 89th Ed							30550	CRC 89th Ed
Hydrogen Chloride	7647-01-0	35.45	EPI Dermwin v2.0				1.49	CRC 89th Ed							720000	CRC 89th Ed
Hydrogen Fluoride	7664-39-3	20.01	EPI Dermwin v2.0				0.818	CRC 89th Ed								CRC 89th Ed
Hydrogen Sulfide	7783-06-4	34.08	EPI Dermwin v2.0				1.393	CRC 89th Ed							5132	CRC 89th Ed
Hydroquinone	123-31-9	110.11	EPI Dermwin v2.0	1.9338E-09	4.73E-11	EPI HenryWin v3.2	1.33	CRC 89th Ed					240.5	EPI KOCWIN v2.0	72000	EPI WATERNT v.01
Imazalil	35554-44-0	297.19	EPI Dermwin v2.0	1.0589E-07	2.59E-09	EPI HenryWin v3.2	1.243	CRC 89th Ed					8495	EPI KOCWIN v2.0	180	EPI WATERNT v.01
Imazaquin	81335-37-7	311.34	EPI Dermwin v2.0	2.825E-16	6.91E-18	EPI HenryWin v3.2							2386	EPI KOCWIN v2.0	90	EPI WATERNT v.01
Iodine	7553-56-2	253.81	EPI Dermwin v2.0				4.933	CRC 89th Ed							330	EPI WATERNT v.01
Iprodione	36734-19-7	330.17	EPI Dermwin v2.0	1.2756E-07	3.12E-09	EPI HenryWin v3.2							52.52	EPI KOCWIN v2.0	13.9	EPI WATERNT v.01
Iron	7439-89-6	55.85	EPI Dermwin v2.0				7.87	CRC 89th Ed							0	Lange's 15th Ed
Isobutyl Alcohol	78-83-1	74.12	EPI Dermwin v2.0	0.0003998	0.00000978	EPI HenryWin v3.2	0.8018	CRC 89th Ed	0.089671	EPA 2002	0.00001	EPA 2002	2.919	EPI KOCWIN v2.0	85000	EPI WATERNT v.01
Isophorone	78-59-1	138.21	EPI Dermwin v2.0	0.0002715	0.00000664	EPI HenryWin v3.2	0.9255	CRC 89th Ed	0.052505	EPA 2002	7.5296E-06	EPA 2002	65.15	EPI KOCWIN v2.0	12000	EPI WATERNT v.01
Isopropalin	33820-53-0	309.37	EPI Dermwin v2.0	0.004538	0.000111	EPI HenryWin v3.2							11430	EPI KOCWIN v2.0	0.11	EPI WATERNT v.01
Isopropanol	67-63-0	60.1	EPI Dermwin v2.0	0.0003312	0.0000081	EPI HenryWin v3.2	0.7809	CRC 89th Ed	0.103223	EPA 2002	0.0000112	EPA 2002	1.53	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Isopropyl Methyl Phosphonic Acid	1832-54-8	138.1	EPI Dermwin v2.0	2.8128E-07	6.88E-09	EPI HenryWin v3.2							7.707	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Isosaben	82558-50-7	332.4	EPI Dermwin v2.0	5.1922E-08	1.27E-09	EPI HenryWin v3.2			USEPA 1987		USEPA 1987		1262	EPI KOCWIN v2.0	1.42	EPI WATERNT v.01
JP-7	NA															
Kerb	23950-58-5	256.13	EPI Dermwin v2.0	3.9943E-07	9.77E-09	EPI HenryWin v3.2							404.9	EPI KOCWIN v2.0	15	EPI WATERNT v.01
Lactofen	77501-63-4	461.78	EPI Dermwin v2.0	0.0000193	0.000000472	EPI HenryWin v3.2							23030	EPI KOCWIN v2.0	0.1	EPI WATERNT v.01
Lead Compounds																
*Lead acetate	301-04-2	325.29	EPI Dermwin v2.0				3.25	CRC 89th Ed					1	EPI KOCWIN v2.0	1600	EPI WATERNT v.01
*Lead and Compounds	7439-92-1	207.2	EPI Dermwin v2.0				11.3	CRC 89th Ed							0	CRC 89th Ed
*Lead subacetate	1335-32-6	805.7	EPI Dermwin v2.0										10.37	EPI KOCWIN v2.0	62500	EPI WATERNT v.01
*Tetraethyl Lead	78-00-2	323.45	EPI Dermwin v2.0	23.221586	0.568	EPI HenryWin v3.2	1.653	CRC 89th Ed					647.9	EPI KOCWIN v2.0	0.29	EPI WATERNT v.01
Linuron	330-55-2	249.1	EPI Dermwin v2.0	2.5552E-07	6.25E-09	EPI HenryWin v3.2							339.8	EPI KOCWIN v2.0	75	EPI WATERNT v.01
Lithium	7439-93-2	6.94	EPI Dermwin v2.0				0.534	CRC 89th Ed							0	CRC 89th Ed
Lithium Perchlorate	7791-03-9	106.39	EPI				2.428	CRC 89th Ed							587000	CRC 89th Ed
Londax	83055-99-6	410.4	EPI Dermwin v2.0	1.545E-13	3.78E-15	EPI HenryWin v3.2							27.76	EPI KOCWIN v2.0	120	EPI WATERNT v.01
MCPA	94-74-6	200.62	EPI Dermwin v2.0	5.4374E-08	1.33E-09	EPI HenryWin v3.2							29.63	EPI KOCWIN v2.0	630	EPI WATERNT v.01
MCPB	94-81-5	228.68	EPI Dermwin v2.0	1.1079E-07	2.71E-09	EPI HenryWin v3.2							98.4	EPI KOCWIN v2.0	48	EPI WATERNT v.01
MCPP	93-65-2	214.65	EPI Dermwin v2.0	3.6631E-08	8.96E-10	EPI HenryWin v3.2							48.51	EPI KOCWIN v2.0	620	EPI WATERNT v.01
Malathion	121-75-5	330.35	EPI Dermwin v2.0	1.9992E-07	4.89E-09	EPI HenryWin v3.2	1.2076	CRC 89th Ed					31.27	EPI KOCWIN v2.0	143	EPI WATERNT v.01
Maleic Anhydride	108-31-6	98.06	EPI Dermwin v2.0	0.0001607	0.00000393	EPI HenryWin v3.2	1.314	CRC 89th Ed	0.088395	EPA 2002	0.0000114	EPA 2002	1	EPI KOCWIN v2.0	460250	EPI WATERNT v.01
Maleic Hydrazide	123-33-1	112.09	EPI Dermwin v2.0	1.0834E-09	2.65E-11	EPI HenryWin v3.2			0.081729	USEPA 1987	9.5494E-06	USEPA 1987	3.303	EPI KOCWIN v2.0	4510	EPI WATERNT v.01
Malononitrile	109-77-3	66.06	EPI Dermwin v2.0	5.3557E-06	0.000000131	EPI HenryWin v3.2	1.191	CRC 89th Ed	0.115073	EPA 2002	0.0000136	EPA 2002	3.334	EPI KOCWIN v2.0	133000	EPI WATERNT v.01
Mancozeb	8018-01-7	212.36	EPI Dermwin v2.0	0.0000231	0.000000564	EPI HenryWin v3.2							607.6	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Maneb	12427-38-2	212.36	EPI Dermwin v2.0	0.0000231	0.000000564	EPI HenryWin v3.2							607.6	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Manganese (Diet)	7439-96-5	54.94	EPI Dermwin v2.0				7.3	CRC 89th Ed							0	Lange's 15th Ed
Manganese (Non-diet)	7439-96-5	54.94	EPI Dermwin v2.0				7.3	CRC 89th Ed							57	Lange's 15th Ed
Mephosfolan	950-10-7	269.32	EPI Dermwin v2.0	4.8651E-09	1.19E-10	EPI HenryWin v3.2							636.3	EPI KOCWIN v2.0	500000	EPI WATERNT v.01
Mepiquat Chloride	24307-26-4	149.67	EPI Dermwin v2.0	1.762E-10	4.31E-12	EPI HenryWin v3.2							66.16	EPI KOCWIN v2.0	500000	EPI WATERNT v.01
Mercury Compounds																
*Mercuric Chloride (and other Mercury salts)	7487-94-7	271.5	EPI Dermwin v2.0				5.6	CRC 89th Ed							69000	EPI WATERNT v.01
*Mercury (elemental)	7439-97-6	200.59	EPI Dermwin v2.0	0.467	0.0114	SSL	13.5336	CRC 89th Ed	0.0307	SSL	0.0000063	SSL			0.06	EPI WATERNT v.01
*Methyl Mercury	22967-92-6	215.63	EPI Dermwin v2.0													

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Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
*Phenylmercuric Acetate	62-38-4	336.74	EPI Dermwin v2.0	2.314E-08	5.66E-10	EPI HenryWin v3.2							56.44	EPI KOCWIN v2.0	4370	EPI WATERNT v.01
Merphos	150-50-5	298.5	EPI Dermwin v2.0	0.000928	0.0000227	EPI HenryWin v3.2	1.02	CRC 89th Ed					48970	EPI KOCWIN v2.0	0.0009971	EPI WATERNT v.01
Merphos Oxide	78-48-8	314.5	EPI Dermwin v2.0	0.000012	0.000000294	EPI HenryWin v3.2	1.057	CRC 89th Ed					2350	EPI KOCWIN v2.0	2.3	EPI WATERNT v.01
Metalaxyl	57837-19-1	279.34	EPI Dermwin v2.0	1.2061E-07	2.95E-09	EPI HenryWin v3.2							38.57	EPI KOCWIN v2.0	8400	EPI WATERNT v.01
Methacrylonitrile	126-98-7	67.09	EPI Dermwin v2.0	0.0100981	0.000247	EPI HenryWin v3.2	0.8001	CRC 89th Ed	0.096431	USEPA 2001	0.0000106	USEPA 2001	13.05	EPI KOCWIN v2.0	25400	EPI WATERNT v.01
Methamidophos	10265-92-6	141.13	EPI Dermwin v2.0	3.5487E-08	8.68E-10	EPI HenryWin v3.2	1.31	CRC 89th Ed					5.407	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Methanol	67-56-1	32.04	EPI Dermwin v2.0	0.000186	0.00000455	EPI HenryWin v3.2	0.7914	CRC 89th Ed	0.158281	EPA 2002	0.0000165	EPA 2002	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Methidathion	950-37-8	302.32	EPI Dermwin v2.0	2.9313E-07	7.17E-09	EPI HenryWin v3.2							21.24	EPI KOCWIN v2.0	187	EPI WATERNT v.01
Methylol	16752-77-5	162.21	EPI Dermwin v2.0	8.054E-10	1.97E-11	EPI HenryWin v3.2	1.2946	CRC 89th Ed	0.04759	EPA 2002	8.3658E-06	EPA 2002	10	EPI KOCWIN v2.0	58000	EPI WATERNT v.01
Methoxy-5-nitroaniline, 2-	99-59-2	168.15	EPI Dermwin v2.0	6.0098E-07	1.47E-08	EPI HenryWin v3.2	1.2068	CRC 89th Ed					71.31	EPI KOCWIN v2.0	115	EPI WATERNT v.01
Methoxychlor	72-43-5	345.66	EPI Dermwin v2.0	8.2993E-06	0.00000203	EPI HenryWin v3.2	1.41	CRC 89th Ed					26890	EPI KOCWIN v2.0	0.1	EPI WATERNT v.01
Methoxyethanol Acetate, 2-	110-49-6	118.13	EPI Dermwin v2.0	0.0000127	0.000000311	EPI HenryWin v3.2	1.0074	CRC 89th Ed	0.065835	EPA 2002	8.7052E-06	EPA 2002	2.492	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Methoxyethanol, 2-	109-86-4	76.1	EPI Dermwin v2.0	0.0000135	0.00000033	EPI HenryWin v3.2	0.9647	CRC 89th Ed	0.095152	EPA 2002	0.000011	EPA 2002	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Methyl Acetate	79-20-9	74.08	EPI Dermwin v2.0	0.0047016	0.000115	EPI HenryWin v3.2	0.9342	CRC 89th Ed	0.095776	USEPA 2001	0.000011	USEPA 2001	3.064	EPI KOCWIN v2.0	243000	EPI WATERNT v.01
Methyl Acrylate	96-33-3	86.09	EPI Dermwin v2.0	0.0081357	0.000199	EPI HenryWin v3.2	0.9535	CRC 89th Ed	0.085998	USEPA 2001	0.0000102	USEPA 2001	5.844	EPI KOCWIN v2.0	49400	EPI WATERNT v.01
Methyl Ethyl Ketone (2-Butanone)	78-93-3	72.11	EPI Dermwin v2.0	0.0023262	0.0000569	EPI HenryWin v3.2	0.7999	CRC 89th Ed	0.091444	USEPA 2001	0.0000102	USEPA 2001	4.51	EPI KOCWIN v2.0	223000	EPI WATERNT v.01
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	100.16	EPI Dermwin v2.0	0.0056419	0.000138	EPI HenryWin v3.2	0.7965	CRC 89th Ed	0.06978	USEPA 2001	8.3477E-06	USEPA 2001	12.6	EPI KOCWIN v2.0	19000	EPI WATERNT v.01
Methyl Isocyanate	624-83-9	57.05	EPI Dermwin v2.0	0.0378577	0.000926	EPI HenryWin v3.2	0.9588	CRC 89th Ed	0.116552	USEPA 2001	0.0000131	USEPA 2001	39.6	EPI KOCWIN v2.0	48330	EPI WATERNT v.01
Methyl Methacrylate	80-62-6	100.12	EPI Dermwin v2.0	0.0130417	0.000319	EPI HenryWin v3.2	0.9377	CRC 89th Ed	0.075045	USEPA 2001	9.2087E-06	USEPA 2001	9.14	EPI KOCWIN v2.0	15000	EPI WATERNT v.01
Methyl Parathion	298-00-0	263.21	EPI Dermwin v2.0	4.0883E-06	0.0000001	EPI HenryWin v3.2	1.358	CRC 89th Ed					729.3	EPI KOCWIN v2.0	37.7	EPI WATERNT v.01
Methyl Phosphonic Acid	993-13-5	96.02	EPI Dermwin v2.0	4.988E-10	1.22E-11	EPI HenryWin v3.2							1.407	EPI KOCWIN v2.0	20000	EPI WATERNT v.01
Methyl Styrene (Mixed Isomers)	25013-15-4	118.18	EPI Dermwin v2.0	0.1042518	0.00255	EPI HenryWin v3.2			0.078897	USEPA 1987	9.2184E-06	USEPA 1987	697.8	EPI KOCWIN v2.0	89	EPI WATERNT v.01
Methyl methanesulfonate	66-27-3	110.13	EPI Dermwin v2.0	0.0001648	0.00000403	EPI HenryWin v3.2	1.2943	CRC 89th Ed					4.332	EPI KOCWIN v2.0	837860	EPI WATERNT v.01
Methyl tert-Butyl Ether (MTBE)	1634-04-4	88.15	EPI Dermwin v2.0	0.0239984	0.000587	EPI HenryWin v3.2	0.7353	CRC 89th Ed	0.075268	USEPA 2001	8.5905E-06	USEPA 2001	11.56	EPI KOCWIN v2.0	51000	EPI WATERNT v.01
Methyl-5-Nitroaniline, 2-	99-55-8	152.15	EPI Dermwin v2.0	7.9313E-07	1.94E-08	EPI HenryWin v3.2							178.6	EPI KOCWIN v2.0	613.11	EPI WATERNT v.01
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	147.09	EPI Dermwin v2.0	4.988E-11	1.22E-12	EPI HenryWin v3.2							72.02	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Methylaniline Hydrochloride, 2-	636-21-5	107.16	EPI Dermwin v2.0	0.0000809	0.00000198	EPI HenryWin v3.2			0.084217	USEPA 1987	9.8401E-06	USEPA 1987	115	EPI KOCWIN v2.0	16600	EPI WATERNT v.01
Methylarsonic acid	124-58-3	139.97	EPI Dermwin v2.0										43.89	EPI KOCWIN v2.0	256000	EPI WATERNT v.01
Methylcholanthrene, 3-	56-49-5	268.36	EPI Dermwin v2.0	0.0002142	0.00000524	EPI HenryWin v3.2	1.28	CRC 89th Ed					961600	EPI KOCWIN v2.0	0.0029	EPI WATERNT v.01
Methylene Chloride	75-09-2	84.93	EPI Dermwin v2.0	0.13287	0.00325	EPI HenryWin v3.2	1.3266	CRC 89th Ed	0.099939	USEPA 2001	0.0000125	USEPA 2001	21.73	EPI KOCWIN v2.0	13000	EPI WATERNT v.01
Methylene-bis(2-chloroaniline), 4,4'	101-14-4	267.16	EPI Dermwin v2.0	4.661E-10	1.14E-11	EPI HenryWin v3.2							5698	EPI KOCWIN v2.0	13.9	EPI WATERNT v.01
Methylene-bis(N,N-dimethyl) Aniline, 4,4'	101-61-1	254.38	EPI Dermwin v2.0	4.9469E-06	0.00000121	EPI HenryWin v3.2							2667	EPI KOCWIN v2.0	5.4926	EPI WATERNT v.01
Methylenebisbenzenamine, 4,4'	101-77-9	198.27	EPI Dermwin v2.0	6.46E-10	1.58E-11	EPI HenryWin v3.2							2126	EPI KOCWIN v2.0	1000	EPI WATERNT v.01
Methylenediphenyl Diisocyanate	101-68-8	250.26	EPI Dermwin v2.0	0.0000366	0.000000895	EPI HenryWin v3.2	1.197	CRC 89th Ed					284900	EPI KOCWIN v2.0	1.836	EPI WATERNT v.01
Methylstyrene, Alpha-	98-83-9	118.18	EPI Dermwin v2.0	0.1042518	0.00255	EPI HenryWin v3.2	0.9106	CRC 89th Ed	0.062902	USEPA 2001	8.1911E-06	USEPA 2001	697.8	EPI KOCWIN v2.0	116	EPI WATERNT v.01
Metolachlor	51218-45-2	283.8	EPI Dermwin v2.0	3.6795E-07	0.000000009	EPI HenryWin v3.2	1.12	CRC 89th Ed					488.5	EPI KOCWIN v2.0	530	EPI WATERNT v.01
Metribuzin	21087-64-9	214.29	EPI Dermwin v2.0	4.7833E-09	1.17E-10	EPI HenryWin v3.2	1.31	CRC 89th Ed					53.13	EPI KOCWIN v2.0	1050	EPI WATERNT v.01
Midrange Aliphatic Hydrocarbon Streams	NA															
Mineral oils	8012-95-1	170.34	EPI Dermwin v2.0	334.42355	8.18	EPI HenryWin v3.2			0.061831	USEPA 1987	7.2245E-06	USEPA 1987	4818	EPI KOCWIN v2.0	0.0037	EPI WATERNT v.01
Mirex	2385-85-5	545.55	EPI Dermwin v2.0	0.0331562	0.000811	EPI HenryWin v3.2							356600	EPI KOCWIN v2.0	0.085	EPI WATERNT v.01
Molinate	2212-67-1	187.3	EPI Dermwin v2.0	0.0001676	0.0000041	EPI HenryWin v3.2	1.063	CRC 89th Ed	0.031561	EPA 2002	6.8182E-06	EPA 2002	181.9	EPI KOCWIN v2.0	970	EPI WATERNT v.01
Molybdenum	7439-98-7	95.94	EPI Dermwin v2.0				10.2	CRC 89th Ed							0	CRC 89th Ed
Monochloramine	10599-90-3	51.48	EPI Dermwin v2.0													CRC 89th Ed
Monomethylaniline	100-61-8	107.16	EPI Dermwin v2.0	0.000363	0.00000888	EPI HenryWin v3.2	0.9891	CRC 89th Ed	0.0721	EPA 2002	9.1284E-06	EPA 2002	82.08	EPI KOCWIN v2.0	5620	EPI WATERNT v.01
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	260.34	EPI Dermwin v2.0	8.381E-09	2.05E-10	EPI HenryWin v3.2							51890	EPI KOCWIN v2.0	1.5867	EPI WATERNT v.01
Naled	300-76-5	380.79	EPI Dermwin v2.0	0.0026615	0.0000651	EPI HenryWin v3.2	1.96	CRC 89th Ed					126.7	EPI KOCWIN v2.0	1.5	EPI WATERNT v.01
Naphtha, High Flash Aromatic (HFAN)	64724-95-6															
Naphthylamine, 2-	91-59-8	143.19	EPI Dermwin v2.0	3.3115E-06	0.000000081	EPI HenryWin v3.2	1.6414	CRC 89th Ed					2478	EPI KOCWIN v2.0	189	EPI WATERNT v.01
Napropamide	15299-99-7	271.36	EPI Dermwin v2.0	3.4383E-08	8.41E-10	EPI HenryWin v3.2							3218	EPI KOCWIN v2.0	73	EPI WATERNT v.01
Nickel Carbonyl	13463-39-3	170.73	EPI				1.31	CRC 89th Ed							0	CRC 89th Ed
Nickel Oxide	1313-99-1	74.69	EPI Dermwin v2.0				6.72	CRC 89th Ed							0	CRC 89th Ed
Nickel Refinery Dust	NA															
Nickel Soluble Salts	7440-02-0	58.69	EPI Dermwin v2.0				8.9	CRC 89th Ed							0	CRC 89th Ed
Nickel Subsulfide	12035-72-2	240.21	EPI				5.87	CRC 89th Ed							0	Lange's 15th Ed
Nitrate	14797-55-8	62	EPI Dermwin v2.0				1.5129	CRC 89th Ed								
Nitrite	14797-65-0	47.01	EPI Dermwin v2.0													
Nitroaniline, 2-	88-74-4	138.13	EPI Dermwin v2.0	2.4121E-06	0.000000059	EPI HenryWin v3.2	0.9015	CRC 89th Ed					111.3	EPI KOCWIN v2.0	1470	EPI WATERNT v.01
Nitroaniline, 4-	100-01-6	138.13	EPI Dermwin v2.0	5.1513E-08	1.26E-09	EPI HenryWin v3.2	1.424	CRC 89th Ed					109.1	EPI KOCWIN v2.0	728	EPI WATERNT v.01
Nitrobenzene	98-95-3	123.11	EPI Dermwin v2.0	0.0009812	0.000024	EPI HenryWin v3.2	1.2037	CRC 89th Ed	0.068054	USEPA 2001	9.4495E-06	USEPA 2001	226.4	EPI KOCWIN v2.0	2090	EPI WATERNT v.01
Nitrocellulose	9004-70-0	387.3	EPI Dermwin v2.0	1.345E-21	3.29E-23	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Nitrofurantoin	67-20-9	238.16	EPI Dermwin v2.0	5.437E-11	1.33E-12	EPI HenryWin v3.2							116.8	EPI KOCWIN v2.0	79.5	EPI WATERNT v.01
Nitrofurazone	59-87-0	198.14	EPI Dermwin v2.0	1.267E-11	3.1E-13	EPI HenryWin v3.2							349.7	EPI KOCWIN v2.0	210	EPI WATERNT v.01
Nitroglycerin	55-63-0	227.09	EPI Dermwin v2.0	3.5405E-06	8.66E-08	EPI HenryWin v3.2	1.5931	CRC 89th Ed					115.8	EPI		

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility		
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Diw (cm ² /s)	Diw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref	
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01	
Nitroso-N-methyleurea, N-	684-93-5	103.08	EPI Dermwin v2.0	4.0515E-09	9.91E-11	EPI HenryWin v3.2							11.6	EPI KOCWIN v2.0	144000	EPI WATERNT v.01	
Nitroso-di-N-butylamine, N-	924-16-3	158.25	EPI Dermwin v2.0	0.0005397	0.0000132	EPI HenryWin v3.2			0.064942	USEPA 1987	7.5879E-06	USEPA 1987	914.6	EPI KOCWIN v2.0	1270	EPI WATERNT v.01	
Nitroso-di-N-propylamine, N-	621-64-7	130.19	EPI Dermwin v2.0	0.000022	0.00000538	EPI HenryWin v3.2	0.9163	CRC 89th Ed	0.05644	EPA 2002	7.758E-06	EPA 2002	275.4	EPI KOCWIN v2.0	13000	EPI WATERNT v.01	
Nitrosodiethanolamine, N-	1116-54-7	134.14	EPI Dermwin v2.0	9.321E-15	2.28E-16	EPI HenryWin v3.2							1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01	
Nitrosodiethylamine, N-	55-18-5	102.14	EPI Dermwin v2.0	0.0001484	0.00000363	EPI HenryWin v3.2	0.9422	CRC 89th Ed	0.073841	EPA 2002	9.1252E-06	EPA 2002	82.92	EPI KOCWIN v2.0	106000	EPI WATERNT v.01	
Nitrosodimethylamine, N-	62-75-9	74.08	EPI Dermwin v2.0	0.0000744	0.00000182	EPI HenryWin v3.2	1.0048	CRC 89th Ed	0.09877	EPA 2002	0.0000115	EPA 2002	22.79	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01	
Nitrosodiphenylamine, N-	86-30-6	198.23	EPI Dermwin v2.0	0.0000495	0.00000121	EPI HenryWin v3.2			0.055887	USEPA 1987	6.5299E-06	USEPA 1987	2632	EPI KOCWIN v2.0	35	EPI WATERNT v.01	
Nitrosomethylamine, N-	10595-95-6	88.11	EPI Dermwin v2.0	0.0000589	0.00000144	EPI HenryWin v3.2			0.095956	USEPA 1987	0.0000112	USEPA 1987	43.47	EPI KOCWIN v2.0	300000	EPI WATERNT v.01	
Nitrosomorpholine [N-]	59-89-2	116.12	EPI Dermwin v2.0	1.0016E-06	2.45E-08	EPI HenryWin v3.2							22.51	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01	
Nitrosopiperidine [N-]	100-75-4	114.15	EPI Dermwin v2.0	0.0000345	0.000000844	EPI HenryWin v3.2	1.0631	CRC 89th Ed					167.5	EPI KOCWIN v2.0	76500	EPI WATERNT v.01	
Nitrosopyrrolidine, N-	930-55-2	100.12	EPI Dermwin v2.0	1.9992E-06	4.89E-08	EPI HenryWin v3.2	1.085	CRC 89th Ed					91.91	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01	
Nitrotoluene, m-	99-08-1	137.14	EPI Dermwin v2.0	0.0003802	0.0000093	EPI HenryWin v3.2	1.1581	CRC 89th Ed	0.058686	EPA 2002	8.6541E-06	EPA 2002	363.2	EPI KOCWIN v2.0	500	EPI WATERNT v.01	
Nitrotoluene, o-	88-72-2	137.14	EPI Dermwin v2.0	0.000511	0.0000125	EPI HenryWin v3.2	1.1611	CRC 89th Ed	0.058754	USEPA 2001	8.6675E-06	USEPA 2001	370.6	EPI KOCWIN v2.0	650	EPI WATERNT v.01	
Nitrotoluene, p-	99-99-0	137.14	EPI Dermwin v2.0	0.0002302	0.00000563	EPI HenryWin v3.2	1.1038	CRC 89th Ed	0.057443	EPA 2002	8.4083E-06	EPA 2002	363.2	EPI KOCWIN v2.0	442	EPI WATERNT v.01	
Nonane, n-	111-84-2	128.26	EPI Dermwin v2.0	139.00245	3.4	EPI HenryWin v3.2	0.7192	CRC 89th Ed	0.051432	USEPA 2001	6.769E-06	USEPA 2001	796	EPI KOCWIN v2.0	0.22	EPI WATERNT v.01	
Norflurazon	27314-13-2	303.67	EPI Dermwin v2.0	1.4023E-08	3.43E-10	EPI HenryWin v3.2							3118	EPI KOCWIN v2.0	33.7	EPI WATERNT v.01	
Nustar	85509-19-9	315.4	EPI Dermwin v2.0	0.0000207	0.000000506	EPI HenryWin v3.2							81060	EPI KOCWIN v2.0	54	EPI WATERNT v.01	
Octabromodiphenyl Ether	32536-52-0	801.38	EPI Dermwin v2.0	0.0000105	0.000000256	EPI HenryWin v3.2							98880	EPI KOCWIN v2.0	0.0000743	EPI WATERNT v.01	
Octahydro-1,3,5,7-tetra[nitro-1,3,5,7-tetra (HMX)	2691-41-0	296.16	EPI Dermwin v2.0	3.5446E-08	8.67E-10	EPI HenryWin v3.2							531.6	EPI KOCWIN v2.0	5	EPI WATERNT v.01	
Octamethylpyrophosphoramide	152-16-9	286.25	EPI Dermwin v2.0	2.58E-15	6.31E-17	EPI HenryWin v3.2	1.09	CRC 89th Ed					20.12	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01	
Oryzalin	19044-88-3	346.36	EPI Dermwin v2.0	7.8087E-08	1.91E-09	EPI HenryWin v3.2							825.4	EPI KOCWIN v2.0	2.5	EPI WATERNT v.01	
Oxadiazon	19666-30-9	345.23	EPI Dermwin v2.0	2.9722E-06	7.27E-08	EPI HenryWin v3.2							4996	EPI KOCWIN v2.0	0.7	EPI WATERNT v.01	
Oxamyl	23135-22-0	219.26	EPI Dermwin v2.0	9.6893E-09	2.37E-10	EPI HenryWin v3.2	0.97	CRC 89th Ed					10	EPI KOCWIN v2.0	280000	EPI WATERNT v.01	
Paclitaxel	76738-62-0	293.8	EPI Dermwin v2.0	3.3851E-08	8.28E-11	EPI HenryWin v3.2	1.22	CRC 89th Ed					922.9	EPI KOCWIN v2.0	26	EPI WATERNT v.01	
Paraquat Dichloride	1910-42-5	257.16	EPI Dermwin v2.0	1.316E-11	3.22E-13	EPI HenryWin v3.2							6780	EPI KOCWIN v2.0	700000	EPI WATERNT v.01	
Parathion	56-38-2	291.26	EPI Dermwin v2.0	0.0000122	0.000000298	EPI HenryWin v3.2	1.2681	CRC 89th Ed					2422	EPI KOCWIN v2.0	11	EPI WATERNT v.01	
Pebutate	1114-71-2	203.35	EPI Dermwin v2.0	0.0096893	0.000237	EPI HenryWin v3.2	0.9458	CRC 89th Ed					299.1	EPI KOCWIN v2.0	100	EPI WATERNT v.01	
Pendimethalin	40487-42-1	281.31	EPI Dermwin v2.0	0.000035	0.000000856	EPI HenryWin v3.2	1.19	CRC 89th Ed					5615	EPI KOCWIN v2.0	0.3	EPI WATERNT v.01	
Pentabromodiphenyl Ether	32534-81-9	564.69	EPI Dermwin v2.0	0.0001447	0.00000354	EPI HenryWin v3.2							21660	EPI KOCWIN v2.0	0.0000009	EPI WATERNT v.01	
Pentabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-99)	60348-60-9	564.69	EPI Dermwin v2.0	0.0001447	0.00000354	EPI HenryWin v3.2	2.28	IRIS Profile					21660	EPI KOCWIN v2.0	0.0000009	EPI WATERNT v.01	
Pentachlorobenzene	608-93-5	250.34	EPI Dermwin v2.0	0.0287408	0.000703	EPI HenryWin v3.2	1.8342	CRC 89th Ed					3708	EPI KOCWIN v2.0	0.831	EPI WATERNT v.01	
Pentachloroethane	76-01-7	202.3	EPI Dermwin v2.0	0.0793132	0.00194	EPI HenryWin v3.2	1.6796	CRC 89th Ed					136.2	EPI KOCWIN v2.0	480	EPI WATERNT v.01	
Pentachloronitrobenzene	82-68-8	295.34	EPI Dermwin v2.0	0.001807	0.0000442	EPI HenryWin v3.2	1.718	CRC 89th Ed					5996	EPI KOCWIN v2.0	0.44	EPI WATERNT v.01	
Pentachlorophenol	87-86-5	266.34	EPI Dermwin v2.0	1.0016E-06	2.45E-08	EPI HenryWin v3.2	1.978	CRC 89th Ed					4959	EPI KOCWIN v2.0	14	EPI WATERNT v.01	
Pentane, n-	109-66-0	72.15	EPI Dermwin v2.0	51.103843	1.25	EPI HenryWin v3.2	0.6262	CRC 89th Ed	0.08213	USEPA 2001	8.7975E-06	USEPA 2001	72.17	EPI KOCWIN v2.0	38	EPI WATERNT v.01	
Perchlorate and Perchlorate Salts	14797-73-0	117.49	EPI												245000	CRC 89th Ed	
Permethrin	52645-53-1	391.3	EPI Dermwin v2.0	0.0000765	0.00000187	EPI HenryWin v3.2	1.23	CRC 89th Ed					118800	EPI KOCWIN v2.0	0.006	EPI WATERNT v.01	
Phenacetin	62-44-2	179.22	EPI Dermwin v2.0	8.7081E-09	2.13E-10	EPI HenryWin v3.2							40.99	EPI KOCWIN v2.0	766	EPI WATERNT v.01	
Phenmedipham	13684-63-4	300.32	EPI Dermwin v2.0	3.438E-11	8.41E-13	EPI HenryWin v3.2							2594	EPI KOCWIN v2.0	4.7	EPI WATERNT v.01	
Phenol	108-95-2	94.11	EPI Dermwin v2.0	0.0000136	0.000000333	EPI HenryWin v3.2	1.0545	CRC 89th Ed	0.083401	EPA 2002	0.0000103	EPA 2002	187.2	EPI KOCWIN v2.0	82800	EPI WATERNT v.01	
Phenylenediamine, m-	108-45-2	108.14	EPI Dermwin v2.0	5.1104E-08	1.25E-09	EPI HenryWin v3.2	1.0096	CRC 89th Ed					33.83	EPI KOCWIN v2.0	238000	EPI WATERNT v.01	
Phenylenediamine, o-	95-54-5	108.14	EPI Dermwin v2.0	2.9436E-07	7.2E-09	EPI HenryWin v3.2							34.52	EPI KOCWIN v2.0	40400	EPI WATERNT v.01	
Phenylenediamine, p-	106-50-3	108.14	EPI Dermwin v2.0	6.304E-08	8.88E-10	EPI HenryWin v3.2							33.83	EPI KOCWIN v2.0	37000	EPI WATERNT v.01	
Phenylphenol, 2-	90-43-7	170.21	EPI Dermwin v2.0	0.0000429	0.00000105	EPI HenryWin v3.2	1.213	CRC 89th Ed	0.042092	EPA 2002	7.8162E-06	EPA 2002	6722	EPI KOCWIN v2.0	700	EPI WATERNT v.01	
Phorate	298-02-2	260.37	EPI Dermwin v2.0	0.0001787	0.00000437	EPI HenryWin v3.2	1.16	CRC 89th Ed					459.8	EPI KOCWIN v2.0	50	EPI WATERNT v.01	
Phosgene	75-44-5	98.92	EPI Dermwin v2.0	0.6827473	0.0167	EPI HenryWin v3.2	1.3719	CRC 89th Ed	0.089326	USEPA 2001	0.0000117	USEPA 2001	1	EPI KOCWIN v2.0	6825.5	Yaws 2001	
Phosmet	732-11-6	317.32	EPI Dermwin v2.0	3.426E-07	8.38E-09	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	24.4	EPI WATERNT v.01	
Phosphine	7803-51-2	34	EPI Dermwin v2.0				1.39	CRC 89th Ed							3.3	EPI WATERNT v.01	
Phosphoric Acid	7664-38-2	98	EPI Dermwin v2.0												5480000	CRC 89th Ed	
Phosphorus, White	7723-14-0	34	EPI Dermwin v2.0				2.69	CRC 89th Ed							3.3	EPI WATERNT v.01	
Phthalic Acid, P-	100-21-0	166.13	EPI Dermwin v2.0	1.586E-11	3.88E-13	EPI HenryWin v3.2							79.24	EPI KOCWIN v2.0	15	EPI WATERNT v.01	
Phthalic Anhydride	85-44-9	148.12	EPI Dermwin v2.0	6.6639E-07	1.63E-08	EPI HenryWin v3.2	1.527	CRC 89th Ed					10	EPI KOCWIN v2.0	6200	EPI WATERNT v.01	
Picloram	1918-02-1	241.46	EPI Dermwin v2.0	2.179E-12	5.33E-14	EPI HenryWin v3.2							38.77	EPI KOCWIN v2.0	430	EPI WATERNT v.01	
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	199.12	EPI Dermwin v2.0	7.604E-13	1.86E-14	EPI HenryWin v3.2			0.05572	USEPA 1987	6.5104E-06	USEPA 1987	226.5	EPI KOCWIN v2.0	1400	EPI WATERNT v.01	
Pirimiphos, Methyl	29232-93-7	305.33	EPI Dermwin v2.0	0.0000287	0.000000701	EPI HenryWin v3.2	1.17	CRC 89th Ed					374.7	EPI KOCWIN v2.0	8.6	EPI WATERNT v.01	
Polybrominated Biphenyls	59536-65-1		EPI			EPI (HenryWin)										EPI (PKOCWIN)	
Polychlorinated Biphenyls (PCBs)																	EPI (WSKOWWIN)
*Aroclor 1016	12674-11-2	257.55	EPI Dermwin v2.0	0.0081766	0.0002	EPI HenryWin v3.2							47700	EPI KOCWIN v2.0	0.42	EPI WATERNT v.01	
*Aroclor 1221	11104-28-2	188.66	EPI Dermwin v2.0	0.0300899	0.000736	EPI HenryWin v3.2			0.057761	USEPA 1987	6.7489E-06	USEPA 1987	8397	EPI KOCWIN v2.0	15	EPI WATERNT v.01	
*Aroclor 1232	11141-16-5	188.66	EPI Dermwin v2.0	0.0300899	0.000736	EPI HenryWin v3.2			0.057761	USEPA 1987	6.7489E-06	USEPA 1987	8397	EPI KOCWIN v2.0	1.45	EPI WATERNT v.01	
*Aroclor 1242	53469-21-9	291.99	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.277	EPI WATERNT v.01	
*Aroclor 1248	12672-29-6	291.99	EPI Dermwin v2.0	0.0179886	0.00044	EPI HenryWin v3.2							76530	EPI			

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Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	D _w (cm ² /s)	D _w Ref	K _{oc} (L/kg)	K _{oc} Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
*Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)	38380-08-4	360.88	EPI Dermwin v2.0	0.0058463	0.000143	EPI HenryWin v3.2							213600	EPI KOCWIN v2.0	0.00533	EPI WATERNT v.01
*Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	360.88	EPI Dermwin v2.0	0.0066231	0.000162	EPI HenryWin v3.2							209300	EPI KOCWIN v2.0	0.00051	EPI WATERNT v.01
*Pentachlorobiphenyl, 2',3,4,4',5'- (PCB 123)	65510-44-3	326.44	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							130500	EPI KOCWIN v2.0	0.016	EPI WATERNT v.01
*Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 118)	31598-00-6	326.44	EPI Dermwin v2.0	0.0117743	0.000288	EPI HenryWin v3.2							127900	EPI KOCWIN v2.0	0.0134	EPI WATERNT v.01
*Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 105)	32598-14-4	326.44	EPI Dermwin v2.0	0.0115699	0.000283	EPI HenryWin v3.2							130500	EPI KOCWIN v2.0	0.0034	EPI WATERNT v.01
*Pentachlorobiphenyl, 2,3,4,4',5'- (PCB 114)	74472-37-0	326.44	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							130500	EPI KOCWIN v2.0	0.016	EPI WATERNT v.01
*Pentachlorobiphenyl, 3,3',4,4',5'- (PCB 126)	57465-28-8	326.44	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							127900	EPI KOCWIN v2.0	0.0073282	EPI WATERNT v.01
*Polychlorinated Biphenyls (high risk)	1336-36-3	291.99	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.7	EPI WATERNT v.01
*Polychlorinated Biphenyls (low risk)	1336-36-3	291.99	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.7	EPI WATERNT v.01
*Polychlorinated Biphenyls (lowest risk)	1336-36-3	291.99	EPI Dermwin v2.0	0.0077678	0.00019	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.7	EPI WATERNT v.01
*Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	291.99	EPI Dermwin v2.0	0.0003843	0.0000094	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.000569	EPI WATERNT v.01
*Tetrachlorobiphenyl, 3,4,4',5'- (PCB 81)	70362-50-4	291.99	EPI Dermwin v2.0	0.0091169	0.000223	EPI HenryWin v3.2							78100	EPI KOCWIN v2.0	0.032245	EPI WATERNT v.01
Polymeric Methylenediphenyl Diisocyanate (PMDI)	9016-87-9	512.53	EPI Dermwin v2.0	5.397E-10	1.32E-11	EPI HenryWin v3.2							1000000000	EPI KOCWIN v2.0	1.763E-06	EPI WATERNT v.01
Polynuclear Aromatic Hydrocarbons (PAHs)																
*Acenaphthene	83-32-9	154.21	EPI Dermwin v2.0	0.0075225	0.000184	EPI HenryWin v3.2	1.222	CRC 89th Ed	0.050614	USEPA 2001	0.00000833	USEPA 2001	5027	EPI KOCWIN v2.0	3.9	EPI WATERNT v.01
*Anthracene	120-12-7	178.24	EPI Dermwin v2.0	0.0022731	0.0000556	EPI HenryWin v3.2	1.28	CRC 89th Ed	0.038973	USEPA 2001	7.8523E-06	USEPA 2001	16360	EPI KOCWIN v2.0	0.0434	EPI WATERNT v.01
*Benz[a]anthracene	56-55-3	228.3	EPI Dermwin v2.0	0.0004906	0.000012	EPI HenryWin v3.2							176900	EPI KOCWIN v2.0	0.0094	EPI WATERNT v.01
*Benzo[fluoranthene]	205-82-3	252.32	EPI Dermwin v2.0	8.2993E-06	0.00000203	EPI HenryWin v3.2							599400	EPI KOCWIN v2.0	0.0025	EPI WATERNT v.01
*Benzo[a]pyrene	50-32-8	252.32	EPI Dermwin v2.0	0.0000187	0.000000457	EPI HenryWin v3.2							587400	EPI KOCWIN v2.0	0.00162	EPI WATERNT v.01
*Benzo[b]fluoranthene	205-99-2	252.32	EPI Dermwin v2.0	0.0000269	0.000000657	EPI HenryWin v3.2							599400	EPI KOCWIN v2.0	0.0015	EPI WATERNT v.01
*Benzo[k]fluoranthene	207-08-9	252.32	EPI Dermwin v2.0	0.0000239	0.000000584	EPI HenryWin v3.2							587400	EPI KOCWIN v2.0	0.0008	EPI WATERNT v.01
*Chrysene	218-01-9	228.3	EPI Dermwin v2.0	0.0002138	0.00000523	EPI HenryWin v3.2	1.274	CRC 89th Ed					180500	EPI KOCWIN v2.0	0.002	EPI WATERNT v.01
*Dibenz[a,h]anthracene	53-70-3	278.36	EPI Dermwin v2.0	5.7645E-06	0.000000141	EPI HenryWin v3.2							1912000	EPI KOCWIN v2.0	0.00249	EPI WATERNT v.01
*Dibenzo[a,e]pyrene	192-65-4	302.38	EPI Dermwin v2.0	5.7645E-07	1.41E-08	EPI HenryWin v3.2							6479000	EPI KOCWIN v2.0	0.0000425	EPI WATERNT v.01
*Dimethylbenz[a]anthracene, 7,12-	57-97-6	256.35	EPI Dermwin v2.0	0.0001537	0.00000376	EPI HenryWin v3.2							493600	EPI KOCWIN v2.0	0.061	EPI WATERNT v.01
*Fluoranthene	206-44-0	202.26	EPI Dermwin v2.0	0.0003622	0.00000886	EPI HenryWin v3.2	1.252	CRC 89th Ed					55450	EPI KOCWIN v2.0	0.26	EPI WATERNT v.01
*Fluorene	86-73-7	166.22	EPI Dermwin v2.0	0.003933	0.0000962	EPI HenryWin v3.2	1.203	CRC 89th Ed	0.043974	USEPA 2001	7.889E-06	USEPA 2001	9160	EPI KOCWIN v2.0	1.69	EPI WATERNT v.01
*Indeno[1,2,3-cd]pyrene	193-39-5	276.34	EPI Dermwin v2.0	0.0000142	0.000000348	EPI HenryWin v3.2							1951000	EPI KOCWIN v2.0	0.00019	EPI WATERNT v.01
*Methylnaphthalene, 1-	90-12-0	142.2	EPI Dermwin v2.0	0.0210139	0.000514	EPI HenryWin v3.2	1.0202	CRC 89th Ed	0.052771	USEPA 2001	7.8477E-06	USEPA 2001	2528	EPI KOCWIN v2.0	25.8	EPI WATERNT v.01
*Methylnaphthalene, 2-	91-57-6	142.2	EPI Dermwin v2.0	0.0211774	0.000518	EPI HenryWin v3.2	1.0058	CRC 89th Ed	0.052432	USEPA 2001	7.7811E-06	USEPA 2001	2478	EPI KOCWIN v2.0	24.6	EPI WATERNT v.01
*Naphthalene	91-20-3	128.18	EPI Dermwin v2.0	0.0179886	0.000044	EPI HenryWin v3.2	1.0253	CRC 89th Ed	0.060499	USEPA 2001	8.377E-06	USEPA 2001	1544	EPI KOCWIN v2.0	31	EPI WATERNT v.01
*Nitropyrene, 4-	57835-92-4	247.26	EPI Dermwin v2.0	1.0016E-06	2.45E-08	EPI HenryWin v3.2							86110	EPI KOCWIN v2.0	0.044505	EPI WATERNT v.01
*Pyrene	129-00-0	202.26	EPI Dermwin v2.0	0.0004865	0.0000119	EPI HenryWin v3.2	1.271	CRC 89th Ed	0.027787	EPA 2002	7.2479E-06	EPA 2002	54340	EPI KOCWIN v2.0	0.135	EPI WATERNT v.01
Potassium Perchlorate	7778-74-7	138.55	EPI Dermwin v2.0				2.52	CRC 89th Ed							15000	EPI WATERNT v.01
Prochloraz	67747-09-5	376.67	EPI Dermwin v2.0	6.7048E-07	1.64E-08	EPI HenryWin v3.2							2425	EPI KOCWIN v2.0	34	EPI WATERNT v.01
Profuralin	26399-36-0	347.3	EPI Dermwin v2.0	0.0118561	0.00029	EPI HenryWin v3.2							30520	EPI KOCWIN v2.0	0.1	EPI WATERNT v.01
Prometon	1610-18-0	225.3	EPI Dermwin v2.0	3.7163E-08	9.09E-10	EPI HenryWin v3.2							137.4	EPI KOCWIN v2.0	750	EPI WATERNT v.01
Prometryn	7287-19-6	241.36	EPI Dermwin v2.0	4.8651E-07	1.19E-08	EPI HenryWin v3.2	1.157	CRC 89th Ed					656.4	EPI KOCWIN v2.0	33	EPI WATERNT v.01
Propachlor	1918-16-7	211.69	EPI Dermwin v2.0	0.0000147	0.00000036	EPI HenryWin v3.2	1.242	CRC 89th Ed					204.5	EPI KOCWIN v2.0	580	EPI WATERNT v.01
Propamil	709-98-8	218.08	EPI Dermwin v2.0	6.991E-08	1.71E-09	EPI HenryWin v3.2	1.25	CRC 89th Ed					175.9	EPI KOCWIN v2.0	152	EPI WATERNT v.01
Propargite	2312-35-8	350.48	EPI Dermwin v2.0	0.0000262	0.00000064	EPI HenryWin v3.2	1.1	CRC 89th Ed					36650	EPI KOCWIN v2.0	0.215	EPI WATERNT v.01
Propargyl Alcohol	107-19-7	56.06	EPI Dermwin v2.0	0.000047	0.00000115	EPI HenryWin v3.2	0.9478	CRC 89th Ed	0.117395	EPA 2002	0.0000131	EPA 2002	1.904	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Propazine	139-40-2	229.71	EPI Dermwin v2.0	1.8806E-07	4.6E-09	EPI HenryWin v3.2	1.162	CRC 89th Ed					344.1	EPI KOCWIN v2.0	8.6	EPI WATERNT v.01
Prophan	122-42-9	179.22	EPI Dermwin v2.0	7.5225E-06	0.000000184	EPI HenryWin v3.2	1.09	CRC 89th Ed					218.6	EPI KOCWIN v2.0	179	EPI WATERNT v.01
Propiconazole	60207-90-1	342.23	EPI Dermwin v2.0	7.0319E-08	1.72E-09	EPI HenryWin v3.2	1.27	CRC 89th Ed					1556	EPI KOCWIN v2.0	110	EPI WATERNT v.01
Propionaldehyde	123-38-6	58.08	EPI Dermwin v2.0	0.0030008	0.0000734	EPI HenryWin v3.2	0.8657	CRC 89th Ed	0.110378	USEPA 2001	0.0000122	USEPA 2001	1	EPI KOCWIN v2.0	306000	EPI WATERNT v.01
Propyl benzene	103-65-1	120.2	EPI Dermwin v2.0	0.4292723	0.0105	EPI HenryWin v3.2	0.8593	CRC 89th Ed	0.060156	USEPA 2001	7.831E-06	USEPA 2001	813.1	EPI KOCWIN v2.0	52.2	EPI WATERNT v.01
Propylene	115-07-1	42.08	EPI Dermwin v2.0	8.0131	0.196	EPI HenryWin v3.2	0.505	CRC 89th Ed	0.109699	USEPA 2001	0.0000107	USEPA 2001	21.73	EPI KOCWIN v2.0	200	EPI WATERNT v.01
Propylene Glycol	57-55-6	76.1	EPI Dermwin v2.0	5.2739E-07	1.29E-08	EPI HenryWin v3.2	1.0361	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Propylene Glycol Dinitrate	6423-43-4	166.09	EPI Dermwin v2.0	0.0000385	0.000000942	EPI HenryWin v3.2			0.062882	USEPA 1987	7.3472E-06	USEPA 1987	60.7	EPI KOCWIN v2.0	3261.9	EPI WATERNT v.01
Propylene Glycol Monoethyl Ether	1569-02-4	104.15	EPI Dermwin v2.0	1.0016E-06	2.45E-08	EPI HenryWin v3.2							1.303	EPI KOCWIN v2.0	789970	EPI WATERNT v.01
Propylene Glycol Monomethyl Ether	107-98-2	90.12	EPI Dermwin v2.0	0.0000376	0.00000092	EPI HenryWin v3.2	0.962	CRC 89th Ed	0.083147	EPA 2002	9.9606E-06	EPA 2002	1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Propylene Oxide	75-56-9	58.08	EPI Dermwin v2.0	0.0028455	0.0000696	EPI HenryWin v3.2			0.126688	USEPA 1987	0.0000148	USEPA 1987	5.194	EPI KOCWIN v2.0	590000	EPI WATERNT v.01
Pursuit	81335-77-5	289.34	EPI Dermwin v2.0	4.252E-15	1.04E-16	EPI HenryWin v3.2							339.1	EPI KOCWIN v2.0	1400	EPI WATERNT v.01
Pydrin	51630-58-1	419.91	EPI Dermwin v2.0	1.4105E-08	3.45E-08	EPI HenryWin v3.2	1.15	CRC 89th Ed					317000	EPI KOCWIN v2.0	0.024	EPI WATERNT v.01
Pyridine	110-86-1	79.1	EPI Dermwin v2.0	0.0004497	0.000011	EPI HenryWin v3.2	0.9819	CRC 89th Ed	0.09309	USEPA 2001	0.0000109	USEPA 2001	71.72	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Quinalphos	13593-03-8	298.3	EPI Dermwin v2.0	1.897E-06	4.64E-08	EPI HenryWin v3.2							4185	EPI KOCWIN v2.0	22	EPI WATERNT v.01
Quinoline	91-22-5	129.16	EPI Dermwin v2.0	0.0000683	0.00000167	EPI HenryWin v3.2	1.0977	CRC 89th Ed	0.0618	EPA 2002	8.6873E-06	EPA 2002	1544	EPI KOCWIN v2.0	6110	EPI WATERNT v.01
Refractory Ceramic Fibers	NA															
Resmethrin	10453-86-8	338.45	EPI Dermwin v2.0	5.4374E-06	0.000000133	EPI HenryWin v3.2							311400	EPI KOCWIN v2.0	0.0379	EPI WATERNT v.01
Ronnel	299-84-3	321.54	EPI Dermwin v2.0	0.0013083	0.000032	EPI HenryWin v3.2										

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm·m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	D _w (cm ² /s)	D _w Ref	K _{oc} (L/kg)	K _{oc} Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Sethoxydim	74051-80-2	327.49	EPI Dermwin v2.0	8.831E-10	2.16E-11	EPI HenryWin v3.2	1.043	CRC 89th Ed					4374	EPI KOCWIN v2.0	25	EPI WATERNT v.01
Silica (crystalline, respirable)	7631-86-9	60.08	EPI Dermwin v2.0													
Silver	7440-22-4	107.87	EPI Dermwin v2.0				10.5	CRC 89th Ed							0	Lange's 15th Ed
Simazine	122-34-9	201.66	EPI Dermwin v2.0	3.8512E-08	9.42E-10	EPI HenryWin v3.2	1.302	CRC 89th Ed					146.5	EPI KOCWIN v2.0	6.2	EPI WATERNT v.01
Sodium Acifluorfen	62476-59-9	383.65	EPI Dermwin v2.0	2.4734E-09	6.05E-11	EPI HenryWin v3.2							3880	EPI KOCWIN v2.0	250000	EPI WATERNT v.01
Sodium Azide	26628-22-8	65.01	EPI Dermwin v2.0				1.846	CRC 89th Ed							408000	CRC 89th Ed
Sodium Diethyldithiocarbamate	148-18-5	171.25	EPI Dermwin v2.0										204.5	EPI KOCWIN v2.0	427890	EPI WATERNT v.01
Sodium Fluoride	7681-49-4	41.99	EPI Dermwin v2.0				2.78	CRC 89th Ed							2100000	EPI WATERNT v.01
Sodium Fluoroacetate	62-74-8	100.03	EPI Dermwin v2.0	0.0000446	0.00000109	EPI HenryWin v3.2			0.088173	USEPA 1987	0.0000103	USEPA 1987	1.44	EPI KOCWIN v2.0	1110000	EPI WATERNT v.01
Sodium Metavanadate	13718-26-8	121.93	CRC 89th Ed				2.52	CRC 89th Ed							210000	CRC 89th Ed
Sodium Perchlorate	7601-89-0	122.44	EPI Dermwin v2.0												2100000	EPI WATERNT v.01
Stirofos (Tetrachlorovinphos)	961-11-5	365.97	EPI Dermwin v2.0	7.5225E-08	1.84E-09	EPI HenryWin v3.2							1375	EPI KOCWIN v2.0	11	EPI WATERNT v.01
Strontium, Stable	7440-24-6	87.62	EPI Dermwin v2.0				2.64	CRC 89th Ed							0	CRC 89th Ed
Strychnine	57-24-9	334.42	EPI Dermwin v2.0	2.437E-12	5.96E-14	EPI HenryWin v3.2	1.36	CRC 89th Ed					5403	EPI KOCWIN v2.0	160	EPI WATERNT v.01
Styrene	100-42-5	104.15	EPI Dermwin v2.0	0.1124285	0.00275	EPI HenryWin v3.2	0.9016	CRC 89th Ed	0.071114	USEPA 2001	8.7838E-06	USEPA 2001	446.1	EPI KOCWIN v2.0	310	EPI WATERNT v.01
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	287.16	EPI Dermwin v2.0	5.601E-06	0.000000137	EPI HenryWin v3.2							2855	EPI KOCWIN v2.0	0.51209	EPI WATERNT v.01
Sulfuric Acid	7664-93-9	98.07	EPI Dermwin v2.0				1.8302	CRC 89th Ed							1000000	EPI WATERNT v.01
Systhane	88671-89-0	288.78	EPI Dermwin v2.0	1.7498E-07	4.28E-09	EPI HenryWin v3.2							6075	EPI KOCWIN v2.0	142	EPI WATERNT v.01
TCMTB	21564-17-0	238.34	EPI Dermwin v2.0	2.653E-10	6.49E-12	EPI HenryWin v3.2							3374	EPI KOCWIN v2.0	125	EPI WATERNT v.01
Tebuthiuron	34014-18-1	228.31	EPI Dermwin v2.0	4.906E-09	1.2E-10	EPI HenryWin v3.2							42.35	EPI KOCWIN v2.0	2500	EPI WATERNT v.01
Temephos	3383-96-8	466.46	EPI Dermwin v2.0	8.0131E-08	1.96E-09	EPI HenryWin v3.2	1.32	CRC 89th Ed					95060	EPI KOCWIN v2.0	0.27	EPI WATERNT v.01
Terbacil	5902-51-2	216.67	EPI Dermwin v2.0	4.906E-09	1.2E-10	EPI HenryWin v3.2	1.34	CRC 89th Ed					50.1	EPI KOCWIN v2.0	710	EPI WATERNT v.01
Terbufos	13071-79-9	288.42	EPI Dermwin v2.0	0.0009812	0.000024	EPI HenryWin v3.2	1.105	CRC 89th Ed					998.9	EPI KOCWIN v2.0	5.07	EPI WATERNT v.01
Terbutryn	886-50-0	241.36	EPI Dermwin v2.0	8.7899E-07	2.15E-08	EPI HenryWin v3.2	1.115	CRC 89th Ed					607	EPI KOCWIN v2.0	25	EPI WATERNT v.01
Tetrabromodiphenyl ether, 2,2',4,4'-(BDE-47)	5436-43-1	485.8	EPI Dermwin v2.0	0.0003467	0.00000848	EPI HenryWin v3.2							13230	EPI KOCWIN v2.0	0.054234	EPI WATERNT v.01
Tetrachlorobenzene, 1,2,4,5-	95-94-3	215.89	EPI Dermwin v2.0	0.0408831	0.001	EPI HenryWin v3.2	1.858	CRC 89th Ed					2220	EPI KOCWIN v2.0	0.595	EPI WATERNT v.01
Tetrachloroethane, 1,1,1,2-	630-20-6	167.85	EPI Dermwin v2.0	0.1022077	0.0025	EPI HenryWin v3.2	1.5406	CRC 89th Ed	0.048176	USEPA 2001	9.0977E-06	USEPA 2001	86.03	EPI KOCWIN v2.0	1070	EPI WATERNT v.01
Tetrachloroethane, 1,1,2,2-	79-34-5	167.85	EPI Dermwin v2.0	0.0150041	0.000367	EPI HenryWin v3.2	1.5953	CRC 89th Ed	0.048921	USEPA 2001	9.2902E-06	USEPA 2001	94.94	EPI KOCWIN v2.0	2830	EPI WATERNT v.01
Tetrachloroethylene	127-18-4	165.83	EPI Dermwin v2.0	0.7236304	0.0177	EPI HenryWin v3.2	1.623	CRC 89th Ed	0.050466	USEPA 2001	9.4551E-06	USEPA 2001	94.94	EPI KOCWIN v2.0	206	EPI WATERNT v.01
Tetrachlorophenol, 2,3,4,6-	58-90-2	231.89	EPI Dermwin v2.0	0.0003614	0.00000884	EPI HenryWin v3.2							2969	EPI KOCWIN v2.0	23	EPI WATERNT v.01
Tetrachlorotoluene, p-alpha, alpha, alpha-	5216-25-1	229.92	EPI Dermwin v2.0	0.0078904	0.00193	EPI HenryWin v3.2	1.4463	CRC 89th Ed					1606	EPI KOCWIN v2.0	6.1149	EPI WATERNT v.01
Tetraethyl Dithiopyrophosphate	3689-24-5	322.31	EPI Dermwin v2.0	0.0001819	0.00000445	EPI HenryWin v3.2	1.196	CRC 89th Ed					265.6	EPI KOCWIN v2.0	30	EPI WATERNT v.01
Tetrafluoroethane, 1,1,1,2-	811-97-2	102.03	EPI Dermwin v2.0	2.0441537	0.05	EPI HenryWin v3.2	1.2072	CRC 89th Ed	0.082307	USEPA 2001	0.0000106	USEPA 2001	86.03	EPI KOCWIN v2.0	1089.7	EPI WATERNT v.01
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	287.15	EPI Dermwin v2.0	1.1079E-07	2.71E-09	EPI HenryWin v3.2	1.57	CRC 89th Ed					4605	EPI KOCWIN v2.0	74	EPI WATERNT v.01
Thallium (Soluble Salts)	7440-28-0	204.38	EPI Dermwin v2.0				11.8	CRC 89th Ed							0	CRC 89th Ed
Thiobencarb	28249-77-6	257.78	EPI Dermwin v2.0	0.0000109	0.000000267	EPI HenryWin v3.2	1.16	CRC 89th Ed					1628	EPI KOCWIN v2.0	28	EPI WATERNT v.01
Thiodiglycol	111-48-8	122.18	EPI Dermwin v2.0	1.12E-11	2.74E-13	EPI HenryWin v3.2	1.1793	CRC 89th Ed					1	EPI KOCWIN v2.0	1000000	EPI WATERNT v.01
Thiofanox	39196-18-4	218.32	EPI Dermwin v2.0	3.8389E-07	9.39E-09	EPI HenryWin v3.2							72.4	EPI KOCWIN v2.0	5200	EPI WATERNT v.01
Thiophanate, Methyl	23564-05-8	342.39	EPI Dermwin v2.0	4.9469E-08	1.21E-09	EPI HenryWin v3.2							327.4	EPI KOCWIN v2.0	26.6	EPI WATERNT v.01
Thiram	137-26-8	240.42	EPI Dermwin v2.0	7.4407E-06	0.000000182	EPI HenryWin v3.2							611.4	EPI KOCWIN v2.0	30	EPI WATERNT v.01
Tin	7440-31-5	120.73	EPI Dermwin v2.0				7.287	CRC 89th Ed							0	Lange's 15th Ed
Titanium Tetrachloride	7550-45-0	189.68	EPI Dermwin v2.0				1.73	CRC 89th Ed								CRC 89th Ed
Toluene	108-88-3	92.14	EPI Dermwin v2.0	0.2714636	0.00664	EPI HenryWin v3.2	0.8623	CRC 89th Ed	0.077805	USEPA 2001	9.2045E-06	USEPA 2001	233.9	EPI KOCWIN v2.0	526	EPI WATERNT v.01
Toluidine, p-	106-49-0	107.16	EPI Dermwin v2.0	0.0000826	0.00000202	EPI HenryWin v3.2	0.9619	CRC 89th Ed	0.071219	EPA 2002	8.977E-06	EPA 2002	112.7	EPI KOCWIN v2.0	6500	EPI WATERNT v.01
Toxaphene	8001-35-2	413.82	EPI Dermwin v2.0	0.0002453	0.000006	EPI HenryWin v3.2							77200	EPI KOCWIN v2.0	0.0069682	EPI WATERNT v.01
Tralometrin	66841-25-6	665.02	EPI Dermwin v2.0	1.6108E-08	3.94E-10	EPI HenryWin v3.2							191100	EPI KOCWIN v2.0	0.08	EPI WATERNT v.01
Tri-n-butyltin	688-73-3	291.07	EPI Dermwin v2.0	62.142273	1.52	EPI HenryWin v3.2	1.103	CRC 89th Ed					8091	EPI KOCWIN v2.0	0.82457	EPI WATERNT v.01
Triallate	2303-17-5	304.66	EPI Dermwin v2.0	0.0004906	0.000012	EPI HenryWin v3.2	1.273	CRC 89th Ed					1008	EPI KOCWIN v2.0	4	EPI WATERNT v.01
Triasulfuron	82097-50-5	401.83	EPI Dermwin v2.0	1.321E-11	3.23E-13	EPI HenryWin v3.2							427.2	EPI KOCWIN v2.0	32	EPI WATERNT v.01
Tribromobenzene, 1,2,4-	615-54-3	314.8	EPI Dermwin v2.0	0.0158626	0.000388	EPI HenryWin v3.2			0.041058	USEPA 1987	4.7973E-06	USEPA 1987	614.3	EPI KOCWIN v2.0	4.9	EPI WATERNT v.01
Tributyl Phosphate	126-73-8	266.32	EPI Dermwin v2.0	0.0000576	0.00000141	EPI HenryWin v3.2	0.9727	CRC 89th Ed					2350	EPI KOCWIN v2.0	280	EPI WATERNT v.01
Tributyltin Compounds	NA															
Tributyltin Oxide	56-35-9	596.12	EPI Dermwin v2.0	0.0000123	0.000000302	EPI HenryWin v3.2	1.17	CRC 89th Ed					25930000	EPI KOCWIN v2.0	19.5	EPI WATERNT v.01
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	187.38	EPI Dermwin v2.0	21.504497	0.526	EPI HenryWin v3.2	1.5635	CRC 89th Ed	0.037566	USEPA 2001	8.592E-06	USEPA 2001	196.8	EPI KOCWIN v2.0	170	EPI WATERNT v.01
Trichloroacetic Acid	76-03-9	163.39	EPI Dermwin v2.0	5.5192E-07	1.35E-08	EPI HenryWin v3.2	1.6126	CRC 89th Ed					3.231	EPI KOCWIN v2.0	54600	EPI WATERNT v.01
Trichloroaniline HCl, 2,4,6-	33663-50-2	232.93	EPI Dermwin v2.0	2.935E-12	7.18E-14	EPI HenryWin v3.2							1271	EPI KOCWIN v2.0	20.964	EPI WATERNT v.01
Trichloroaniline, 2,4,6-	634-93-5	196.46	EPI Dermwin v2.0	0.0000548	0.00000134	EPI HenryWin v3.2							4440	EPI KOCWIN v2.0	40	EPI WATERNT v.01
Trichlorobenzene, 1,2,3-	87-61-6	181.45	EPI Dermwin v2.0	0.0511038	0.00125	EPI HenryWin v3.2	1.4533	CRC 89th Ed	0.03953	USEPA 2001	8.3836E-06	USEPA 2001	1383	EPI KOCWIN v2.0	18	EPI WATERNT v.01
Trichlorobenzene, 1,2,4-	120-82-1	181.45	EPI Dermwin v2.0	0.0508504	0.00142	EPI HenryWin v3.2	1.459	CRC 89th Ed	0.039599	USEPA 2001	8.4033E-06	USEPA 2001	1356	EPI KOCWIN v2.0	49	EPI WATERNT v.01
Trichloroethane, 1,1,1-	71-55-6	133.41	EPI Dermwin v2.0	0.7031889	0.0172	EPI HenryWin v3.2	1.339	CRC 89th Ed	0.064817	USEPA 2001	9.599E-06	USEPA 2001	43.89	EPI KOCWIN v2.0	1290	EPI WATERNT v.01
Trichloroethane, 1,1,2-	79-00-5	133.41	EPI Dermwin v2.0	0.0336877	0.000824	EPI HenryWin v3.2	1.4397	CRC 89th Ed	0.06689	USEPA 2001	0.00001	USEPA 2001	60.7	EPI KOCWIN v2.0	4590	EPI WATERNT v.01
Trichloroethylene	79-01-6	131.39	EPI Dermwin v2.0	0.4026983	0.00985	EPI HenryWin v3.2	1.4642	CRC 89th Ed	0.068662	USEPA 2001	0.0000102	USEPA 2001	60.7	EPI KOCWIN v2.0	1280	EPI WATERNT v.01
Trichlorofluoromethane	75-69-4	137.37	EPI Dermwin v2.0	3.9656582	0.097	EPI HenryWin v3.2	1.4879	CRC 89th Ed	0.065356	USEPA 2001	0.00001	USEPA 2001	43.			

Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table November 2010

Contaminant		Molecular Weight		Henry's Law Constants			Density		Diffusivity in Air		Diffusivity in Water		Organic Carbon Partition		Water Solubility	
Analyte	CAS No.	MW	MW Ref	H ⁺ (unitless)	HLC (atm-m ³ /mole)	H ⁺ and HLC Ref	Density (g/cm ³)	Density Ref	Dia (cm ² /s)	Dia Ref	Dw (cm ² /s)	Dw Ref	Koc (L/kg)	Koc Ref	S (mg/L)	S Ref
ALAR	1596-84-5	160.17	EPI Dermwin v2.0	1.7294E-08	4.23E-10	EPI HenryWin v3.2							10	EPI KOCWIN v2.0	100000	EPI WATERNT v.01
Trichloropropane, 1,1,2-	598-77-6	147.43	EPI Dermwin v2.0	0.0129599	0.000317	EPI HenryWin v3.2	1.372	CRC 89th Ed	0.057158	USEPA 2001	9.1735E-06	USEPA 2001	94.94	EPI KOCWIN v2.0	1900	EPI WATERNT v.01
Trichloropropane, 1,2,3-	96-18-4	147.43	EPI Dermwin v2.0	0.0140229	0.000343	EPI HenryWin v3.2	1.3889	CRC 89th Ed	0.057466	USEPA 2001	9.2411E-06	USEPA 2001	115.8	EPI KOCWIN v2.0	1750	EPI WATERNT v.01
Trichloropropene, 1,2,3-	96-19-5	145.42	EPI Dermwin v2.0	0.7195421	0.0176	EPI HenryWin v3.2	1.412	CRC 89th Ed	0.059063	USEPA 2001	9.4102E-06	USEPA 2001	115.8	EPI KOCWIN v2.0	484.19	EPI WATERNT v.01
Tridiphane	58138-08-2	320.43	EPI Dermwin v2.0	0.0000168	0.00000041	EPI HenryWin v3.2							3447	EPI KOCWIN v2.0	1.1696	EPI WATERNT v.01
Triethylamine	121-44-8	101.19	EPI Dermwin v2.0	0.0060916	0.000149	EPI HenryWin v3.2	0.7275	CRC 89th Ed	0.066363	USEPA 2001	7.8576E-06	USEPA 2001	50.81	EPI KOCWIN v2.0	68600	EPI WATERNT v.01
Trifluralin	1582-09-8	335.29	EPI Dermwin v2.0	0.004211	0.000103	EPI HenryWin v3.2							16390	EPI KOCWIN v2.0	0.184	EPI WATERNT v.01
Trimethyl Phosphate	512-56-1	140.08	EPI Dermwin v2.0	2.9436E-07	7.2E-09	EPI HenryWin v3.2	1.2144	CRC 89th Ed					10.6	EPI KOCWIN v2.0	500000	EPI WATERNT v.01
Trimethylbenzene, 1,2,4-	95-63-6	120.2	EPI Dermwin v2.0	0.2518397	0.00616	EPI HenryWin v3.2	0.8758	CRC 89th Ed	0.060675	USEPA 2001	7.9209E-06	USEPA 2001	614.3	EPI KOCWIN v2.0	57	EPI WATERNT v.01
Trimethylbenzene, 1,3,5-	108-67-8	120.2	EPI Dermwin v2.0	0.3585446	0.00877	EPI HenryWin v3.2	0.8615	CRC 89th Ed	0.060225	USEPA 2001	7.843E-06	USEPA 2001	602.1	EPI KOCWIN v2.0	48.2	EPI WATERNT v.01
Trinitrobenzene, 1,3,5-	99-35-4	213.11	EPI Dermwin v2.0	2.6574E-07	6.5E-09	EPI HenryWin v3.2	1.4775	CRC 89th Ed					1683	EPI KOCWIN v2.0	278	EPI WATERNT v.01
Trinitrotoluene, 2,4,6-	118-96-7	227.13	EPI Dermwin v2.0	8.5037E-07	2.08E-08	EPI HenryWin v3.2	1.654	CRC 89th Ed					2812	EPI KOCWIN v2.0	115	EPI WATERNT v.01
Triphenylphosphine Oxide	791-28-6	278.29	EPI Dermwin v2.0	2.1504E-08	5.26E-10	EPI HenryWin v3.2	1.2124	CRC 89th Ed					1954	EPI KOCWIN v2.0	204.51	EPI WATERNT v.01
Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	430.91	EPI Dermwin v2.0	1.07E-07	2.61E-09	EPI HenryWin v3.2							11130	EPI KOCWIN v2.0	7	EPI WATERNT v.01
Tris(2-chloroethyl)phosphate	115-96-8	285.49	EPI Dermwin v2.0	0.0001345	0.00000329	EPI HenryWin v3.2	1.39	CRC 89th Ed					388.3	EPI KOCWIN v2.0	7000	EPI WATERNT v.01
Tris(2-ethylhexyl)phosphate	78-42-2	434.65	EPI Dermwin v2.0	3.2134E-06	7.86E-08	EPI HenryWin v3.2	0.99	CRC 89th Ed					2468000	EPI KOCWIN v2.0	0.6	EPI WATERNT v.01
Uranium (Soluble Salts)	NA						19.1	CRC 89th Ed							0	Lange's 15th Ed
Urethane	51-79-6	89.09	EPI Dermwin v2.0	2.6288E-06	6.43E-08	EPI HenryWin v3.2	0.9862	CRC 89th Ed					12.13	EPI KOCWIN v2.0	480000	EPI WATERNT v.01
Vanadium Pentoxide	1314-62-1	181.88	EPI Dermwin v2.0				3.35	CRC 89th Ed							700	CRC 89th Ed
Vanadium Sulfate	36907-42-3	273.11	CRC 89th Ed												0	CRC 89th Ed
Vanadium and Compounds	NA	50.94	CRC 89th Ed				6	CRC 89th Ed							0	CRC 89th Ed
Vanadium, Metallic	7440-62-2	50.94	EPI Dermwin v2.0				6	CRC 89th Ed							0	CRC 89th Ed
Vernolate	1929-77-7	203.35	EPI Dermwin v2.0	0.0012633	0.0000309	EPI HenryWin v3.2	0.952	CRC 89th Ed					299.1	EPI KOCWIN v2.0	90	EPI WATERNT v.01
Vinclozolin	50471-44-8	286.12	EPI Dermwin v2.0	7.1137E-07	1.74E-08	EPI HenryWin v3.2	1.51	CRC 89th Ed					283.6	EPI KOCWIN v2.0	2.6	EPI WATERNT v.01
Vinyl Acetate	108-05-4	86.09	EPI Dermwin v2.0	0.0208913	0.000511	EPI HenryWin v3.2	0.9256	CRC 89th Ed	0.084902	USEPA 2001	0.00001	USEPA 2001	5.583	EPI KOCWIN v2.0	20000	EPI WATERNT v.01
Vinyl Bromide	593-60-2	106.95	EPI Dermwin v2.0	0.5028618	0.0123	EPI HenryWin v3.2	1.4933	CRC 89th Ed	0.086224	USEPA 2001	0.0000117	USEPA 2001	21.73	EPI KOCWIN v2.0	10358	EPI WATERNT v.01
Vinyl Chloride	75-01-4	62.5	EPI Dermwin v2.0	1.1365495	0.0278	EPI HenryWin v3.2	0.9106	CRC 89th Ed	0.107119	USEPA 2001	0.000012	USEPA 2001	21.73	EPI KOCWIN v2.0	8800	EPI WATERNT v.01
Warfarin	81-81-2	308.34	EPI Dermwin v2.0	1.1325E-07	2.77E-09	EPI HenryWin v3.2							426.1	EPI KOCWIN v2.0	17	EPI WATERNT v.01
Xylene, Mixture	1330-20-7	106.17	EPI Dermwin v2.0	0.2117743	0.00518	EPI HenryWin v3.2			0.08474	USEPA 1987	9.9011E-06	USEPA 1987	382.9	EPI KOCWIN v2.0	106	EPI WATERNT v.01
Xylene, p-	106-42-3	106.17	EPI Dermwin v2.0	0.2820932	0.0069	EPI HenryWin v3.2	0.8565	CRC 89th Ed	0.068249	USEPA 2001	8.4199E-06	USEPA 2001	375.3	EPI KOCWIN v2.0	162	EPI WATERNT v.01
Xylene, m-	108-38-3	106.17	EPI Dermwin v2.0	0.2935405	0.00718	EPI HenryWin v3.2	0.8598	CRC 89th Ed	0.068366	USEPA 2001	8.4394E-06	USEPA 2001	375.3	EPI KOCWIN v2.0	161	EPI WATERNT v.01
Xylene, o-	95-47-6	106.17	EPI Dermwin v2.0	0.2117743	0.00518	EPI HenryWin v3.2	0.8755	CRC 89th Ed	0.06892	USEPA 2001	8.5315E-06	USEPA 2001	382.9	EPI KOCWIN v2.0	178	EPI WATERNT v.01
Zinc (Metallic)	7440-66-6	67.41	EPI Dermwin v2.0				7.134	CRC 89th Ed							0	Lange's 15th Ed
Zinc Phosphide	1314-84-7	258.18	CRC 89th Ed				4.55	CRC 89th Ed							0	CRC 89th Ed
Zineb	12122-67-7	275.74	EPI Dermwin v2.0	6.5004E-09	1.59E-10	EPI HenryWin v3.2							1345	EPI KOCWIN v2.0	10	EPI WATERNT v.01

EPA 2002 = EPA 2002

EPA 1987 = Processes, Coefficients, and Models for Simulation Toxic Organics and Heavy Metals in Surface Waters. EPA/600/3-87/015. Office of Research and Development, Athens, GA.

CRC = Handbook of Chemistry and Physics

MW Other = Chemfinder, Dermwin version 1.42, or Physprop Datab

CRC Chrom III note = CRC 85th edition, (Values reported here are for chromium (III) oxide (CAS 1308-38-9) which is one of the water insoluble salts.)

CRC Chrom VI note = CRC 85th edition, (decomposes at this temp) Values reported here are for chromium (VI) oxide (CAS 1333-82-0)

EPI (Henry Win) 1 = EPI (HenryWin) Experimental value; citation not listed