

Maine CDC
Maximum Exposure Guidelines (MEGs) for drinking water



December 5, 2008

Environmental and Occupational Health Program
Center for Disease Control and Prevention

Maximum Exposure Guidelines (MEG) for Drinking Water

Maine Center for Disease Control, Maine Department of Human Services

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CHEMICALS	CASRN#	MEG STATUS	Maximum Exposure Guideline	EPA HEALTH ADVISORY	EPA MCL
			(ppb)	(ppb)	(ppb)
INORGANICS					
Aluminum	7429-90-5	Interim	1430		
Ammonia	7664-41-7	FINAL	30000	30000	
Ammonium sulfamate	7773-06-0	FINAL	1400	2000	
Antimony	7440-36-0	FINAL	3		6
Arsenic	7440-38-2	Interim	10		10
Barium	7440-39-3	FINAL	2000	2000	2000
Boron	7440-42-8	FINAL	1400	600	3000
Cadmium	7440-43-9	FINAL	3.5		5
Chloramine	10599-90-3	Interim	660	3000	
Chlorate	14866-68-3	Interim	7		
Chlorine dioxide	10049-04-4	FINAL	210	800	800
Chlorite	7758-19-2	FINAL	210	800	1000
Chromium (total)	7440-47-3	Interim	40	100	100
Chromium VI	18540-29-9	FINAL	35		
Copper	7440-50-8	FINAL	1300		1300
Cyanide	57-12-5	FINAL	140	200	200
Fluoride	7782-41-4	FINAL	1680		2000
Iodide	20461-54-5	Interim	340		
Lead	7439-92-1	Interim	10		15
Manganese	7439-96-5	FINAL	500		
Mercury (inorganic; mercuric salts)	7487-94-7	FINAL	2	2	2
Molybdenum	7439-98-7	FINAL	35	40	
Nickel (soluble salts)	7440-02-0	FINAL	140	100	
Nitrate (as N)	14797-55-8	FINAL	10000		10000
Nitrite (as N)	14797-65-0	FINAL	1000		1000
Selenium	7782-49-2	FINAL	35		50
Silver	7440-22-4	FINAL	35	100	
Sodium	7440-23-5	Interim	20000		
Strontium	7440-24-6	FINAL	4200	17000	
Thallium (chloride)	7791-12-0	FINAL	0.5	0.5	2
Uranium	7440-61-1	FINAL	20		30
White Phosphorous	7723-14-0	FINAL	0.14	0.1	
Zinc	7440-66-6	FINAL	2000	2000	
ORGANICS					
Acetamidiprid	135410-20-7	Interim	497		
Acetochlor	34256-82-1	Interim	14		
Acetone	67-64-1	FINAL	6300		
Acifluofen	62476-59-9	Interim	3.5		
Acrylamide	79-06-1	FINAL	0.08		
Acrylonitrile	107-13-1	FINAL	0.6		
Alachlor	15972-60-8	FINAL	7		2
Aldicarb	116-06-3	FINAL	7	7	
Aldicarb sulfone	1646-88-4	FINAL	7	7	
Aldrin	309-00-2	FINAL	0.02		
Ametryn	834-12-8	FINAL	60	60	
Asulam	3337-71-1	Interim	35		
Atrazine	1912-24-9	Interim	3	3	3
Azinophos - methyl	86-50-0	Interim	11		
Baygon (propoxur)	114-26-1	FINAL	28	3	
Bentazon	25057-89-0	FINAL	200	200	
Benzene	71-43-2	FINAL	6		5
Benzo (a) pyrene	50-32-8	FINAL	0.05		0.2

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Benzoic Acid	65-85-0	FINAL	28000		
Boscalid	188425-85-6	Interim	152.6		
Bromacil	314-40-9	Interim	70	90	
Bromochloromethane	74-97-5	Interim	10	10	
Bromodichloromethane	75-27-4	FINAL	6		
Bromoform	75-25-2	FINAL	44		
Bromomethane	74-83-9	FINAL	10	10	
Butachlor	23184-66-9	Interim	26		
Butylate	2008-41-5	FINAL	350	350	
Captan	133-06-2	Interim	146		
Carbaryl	63-25-2	FINAL	70	700	
Carbofuran	1563-66-2	FINAL	35	40	40
Carbon disulfide	75-15-0	Interim	600		
Carbon tetrachloride	56-23-5	FINAL	3		5
Carboxin	5234-68-4	FINAL	700	700	
Chloral hydrate (hydrated trichloroacetaldehyde)	75-87-6	FINAL	70	60	
Chloramben (Amiben)	133-90-4	FINAL	105	100	
Chlordane	12789-03-6	FINAL	0.3		2
Chloroform	67-66-3	FINAL	70	70	80
bis-2-Chloroethyl ether	111-44-4	FINAL	0.3		
bis-2-Chloro isopropyl ether	108-60-1	FINAL	300	300	
Chloromethane	74-87-3	Interim	3	3	
Chlorophenol (2-)	95-57-8	FINAL	35	40	
Chlorothalonil	1897-45-6	Interim	45		
Chlorotoluene (2- or ortho-)	95-49-8	FINAL	140	100	
Chlorotoluene (4- or para-)	106-43-4	Interim	140	100	
Chlorpyrifos	2921-88-2	FINAL	20	20	
Cyanazine	21725-46-2	Interim	1.4	1	
Dacthal (DCPA)	1861-32-1	FINAL	70		
Dalapon	75-99-0	FINAL	200	200	200
DDT	50-29-3	FINAL	1		
Di-(2-ethylhexyl)adipate	103-23-1	FINAL	292	400	400
Di-(2-ethylhexyl)phthalate (PAE)	117-81-7	FINAL	25		6
Diallate (Avadex)	2303-16-4	Interim	3.5		
Diazinon	333-41-5	Interim	0.6	0.6	
Dibromo-3-chloropropane (1,2-) (DBCP)	96-12-8	Interim	0.25		0.2
Dibromochloromethane	124-48-1	FINAL	4	60	
Dicamba	1918-00-9	FINAL	200	200	
Dichlorobenzene (1,3- or meta)	541-73-1	Interim	60	600	
Dichlorobenzene (1,2- or ortho)	95-50-1	Interim	63	600	600
Dichlorobenzene (1,4- or para-)	106-46-7	Interim	21	75	75
Dichlorodifluoromethane	75-71-8	FINAL	1400	1000	
Dichloroethane (1,1-)	75-34-3	Interim	70		
Dichloroethane (1,2-)	107-06-2	FINAL	4		5
Dichloroethylene (1,1-)	75-35-4	FINAL	0.6		7
Dichloroethylene (cis-1,2-)	156-59-2	Interim	70	70	70
Dichloroethylene (trans-1,2-)	156-60-5	FINAL	140	100	100
Dichloromethane	75-09-2	FINAL	47		5
Dichlorophenol (2,4-)	120-83-2	FINAL	21	20	
Dichlorophenoxyacetic acid (2,4-)	94-75-7	FINAL	70	70	70
Dichloropropane (1,2-)	78-87-5	Interim	5		5
Dichloropropene (1,3-)	542-75-6	FINAL	4		
Dieldrin	60-57-1	FINAL	0.02		
Diethyl phthalate (PAE)	84-66-2	FINAL	5000	5000	

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Diisopropyl methylphosphonate	1445-75-6	FINAL	500	600	
Dimethrin	70-38-2	Interim	2100	2000	
Dimethylformamide (N,N-)	68-12-2	Interim	700		
Dibutyl phthalate (PAE)	84-74-2	FINAL	700		
Dinitrobenzene (1,3- or meta-)	99-65-0	FINAL	0.7	1	
Dinitrophenol (2,4-)	51-28-5	FINAL	14		
Dinitrotoluene (2,4-)	121-14-2	FINAL	0.5		
Dinitrotoluene (2,6-)	606-20-2	FINAL	0.5		
Dinoseb	88-85-7	FINAL	7	7	7
Dioxane (p-)	123-91-1	FINAL	32		
Diphenamid	957-51-7	FINAL	200	200	
Diphenylamine	122-39-4	FINAL	175	200	
Diquat	85-00-7	FINAL	15	20	20
Disulfoton	298-04-4	FINAL	0.3	0.3	
Dithiane (1,4-)	505-29-3	FINAL	70	80	
Diuron	330-54-1	FINAL	14	10	
Endothall	145-73-3	FINAL	140	100	100
Endosulfan	115-29-7	FINAL	42		
Endrin	72-20-8	FINAL	2	2	2
Epichlorohydrin	106-89-8	Interim	35		
Ethylbenzene	100-41-4	Interim	70	700	700
Ethylene dibromide (EDB)	106-93-4	FINAL	0.2		0.05
Ethylene glycol	107-21-1	FINAL	14000	7000	
Ethylene glycol monobutyl ether	111-76-2	FINAL	3500		
Ethylene thiouria (ETU)	96-45-7	FINAL	0.6		
Fenamiphos	22224-92-6	FINAL	1.8	2	
Fluometuron	2164-17-2	FINAL	90	90	
Fluorotrichloromethane	75-69-4	FINAL	2000	2000	
Folpet	133-07-3	FINAL	100		
Fonofos	944-22-9	FINAL	14	10	
Formaldehyde	50-00-0	Interim	140	1000	
Fuel oil		Interim	50		
Gasoline, unleaded		Interim	50		
Glyphosate	1071-83-6	FINAL	700	700	700
Heptachlor	76-44-8	FINAL	0.08		0.4
Heptachlor epoxide	1024-57-3	FINAL	0.04		0.2
Hexachlorobenzene	118-74-1	FINAL	0.2		1
Hexachlorobutadiene	87-68-3	FINAL	4	1	
Hexachlorocyclopentadiene	77-47-4	FINAL	42		50
Hexachloroethane	67-72-1	FINAL	7	1	
Hexachlorophene	70-30-4	FINAL	2		
Hexane (n-)	110-54-3	Interim	420		
Hexazinone	51235-04-2	FINAL	230	200	
HMX (cyclo-tetramethylenetetranitramine)	2691-41-0	Interim	350	400	
Isophorone	78-59-1	FINAL	370	100	
Isopropylmethylphosphonate	1832-54-8	FINAL	700	700	
Isopropyltoluene (p-cymene)	99-87-6	Interim	70		
Lindane	58-89-9	FINAL	0.2	0.2	0.2
Malathion	121-75-5	FINAL	140	200	
Maleic hydrazide	123-33-1	FINAL	3500	4000	
Mancozeb	8018-01-7	Interim	6		
Maneb	12427-38-2	Interim	6		
MCPA (2-Methyl-4-chlorophenoxyacetic acid)	94-74-6	FINAL	4	10	
Metalexyl	57837-19-1	FINAL	420		

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Methomyl	16752-77-5	FINAL	175	200	
Methoxychlor	72-43-5	FINAL	35	40	40
Methyl ethyl ketone	78-93-3	Final	3600	4000	
Methyl parathion	298-00-0	FINAL	2	2	
Methyl tert butyl ether (MTBE)	1634-04-4	FINAL	35	20-40	35
Methylphenol (3-)	108-39-4	FINAL	35		
Methylphenol (4-)	106-44-5	Interim	3.5		
Metolachlor	51218-45-2	FINAL	100	70	
Metribuzin	21087-64-9	FINAL	175	100	
Monochlorobenzene	108-90-7	FINAL	140	100	100
Naphthalene	91-20-3	FINAL	14	20	
Napropamide	15299-99-7	Interim	840		
Nitrobenzene	98-95-3	FINAL	3.5		
Nitroguanidine	556-88-7	FINAL	700	700	
Nitrophenol (p-)	100-02-7	Interim	60	60	
Norflurazon	27314-13-2	Interim	10.5		
Oxamyl (Vydate)	23135-22-0	FINAL	175	200	200
Paraquat	1910-42-5	Interim	3	30	
Parathion	56-38-2	FINAL	0.2		
PCNB (pentachloronitrobenzene)	82-68-8	FINAL	2		
Pentachlorophenol	87-86-5	FINAL	3		1
Perchlorate	14797-73-0	Interim	1		
Phenol	108-95-2	FINAL	2100	2000	
Phorate	298-02-2	Interim	3.5		
Picloram	1918-02-1	FINAL	500	500	500
Polychlorinated biphenyls (PCBs)	1336-36-3	FINAL	0.5		0.5
Prometon	1610-18-0	FINAL	100	100	
Pronamide	23950-58-5	Interim	23	50	
Propachlor	1918-16-7	FINAL	90	90	
Propanil	709-98-8	FINAL	35		
Propazine	139-40-2	FINAL	14	10	
Propham	122-42-9	FINAL	140	100	
Propiconazole	60207-90-1	FINAL	9		
RDX (1,3,5-trinitro-1,3,5-triazine)	121-82-4	FINAL	3	2	
Resorcinol (1,3-Benzenediol)	108-46-3	Interim	140		
Rotenone	83-79-4	FINAL	28		
Simazine	122-34-9	FINAL	3.5	4	4
Styrene	100-42-5	FINAL	140	100	100
Tebufenozide	112410-23-8	Interim	140		
Tebuthiuron	34014-18-1	FINAL	500	500	
Terbacil	5902-51-2	FINAL	90	90	
Terbufos	13071-79-9	Interim	0.35	0.9	
Tetrachlorodibenzo-p-dioxin (2,3,7,8-)	1746-01-6	FINAL	0.000007		0.00003
Tetrachloroethane (1,1,1,2-)	630-20-6	FINAL	13	70	
Tetrachloroethane (1,1,2,2-)	79-34-5	FINAL	1.8		
Tetrachloroethylene	127-18-4	FINAL	7		5
Tetrahydrofuran	109-99-9	Interim	70		
Thiram	137-26-8	FINAL	35		
Toluene	108-88-3	FINAL	1400	1000	1000
Toxaphene	8001-35-2	FINAL	0.3		3
Trichloroethane (1,1,1-)	71-55-6	Interim	200	200	200
Trichloroethane (1,1,2-)	79-00-5	FINAL	6	3	5
Trichloroethylene	79-01-6	Interim	32		5
Trichlorofluoromethane	75-69-4	FINAL	2100		

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Trichlorophenol (2,4,6-)	88-06-2	FINAL	32		
Trichlorophenoxyacetic acid (2,4,5-)	93-76-5	FINAL	70	70	
Trichlorophenoxypropionic acid (2,4,5-)	93-72-1	FINAL	50	50	50
Trichloropropane (1,2,3-)	96-18-4	Interim	0.05	40	
Trichlorobenzene (1,2,4-)	120-82-1	FINAL	70	70	70
Trichlorobenzene (1,3,5-)	108-70-3	Interim	40	40	
Trifluralin	1582-09-8	FINAL	45	5	
Trinitroglycerol (nitroglycerin)	55-63-0	Interim	5	5	
Trinitrophenol (2,4,6-)	88-89-1	Interim	57		
Trinitrotoluene (2,4,6-)	118-96-7	Interim	3.5	2	
Tris (1,3-dichloroisopropyl) phosphate	13674-87-8	Interim	14		
Vinyl Chloride	75-01-4	Interim	0.2		2
Xylenes	1330-20-7	FINAL	1400		10000
Zineb	12122-67-7	FINAL	350		
Ziram / Ferbar	137-30-4	Interim	25		

NOTES:

MEG = Maximum Exposure Guideline

MCL = Maximum Contaminant Level

EPA = U.S. Environmental Protection Agency

ppb = parts per billion, same as micrograms per liter

FINAL MEG STATUS: MEG is based on USEPA IRIS toxicity data and derived following standard USEPA protocols.

INTERIM MEG STATUS: MEG is not based on USEPA IRIS toxicity data and the Bureau of Health has lower confidence in toxic data.