

Health Effects of Water Pollutants

Multi-Pure Drinking Water Systems are certified to reduce a wide range of contaminants of health concern plus chlorine, chloramines and particulate matter. Below is a summary of the listed contaminants for which the Multi-Pure Drinking Water Systems have been tested and certified.

Multi-Pure Drinking Water Systems - Contaminants Reduced As Certified by UL's Environmental and Public Health Programs, October, 2001

CONTAMINANT	HEALTH EFFECTS
PESTICIDES 2,4-D Carbofuran (Furadan) Chlordane cis-1,3-Dichloropropylene Endrin Heptachlor Heptachlor Epoxide Lindane Methoxychlor Toxaphene	Liver and kidney damage Nervous system, kidney, reproductive system, and liver damage; anemia, leukemia Nervous system and muscle damage; cancer Bladder and kidney damage Nervous system, kidney, liver, heart damage; anemia, cancer Cancer Cancer Nervous system, liver, kidney damage Nervous system, kidney, liver damage; anemia, cancer Endocrine Disruptor, cancer
HERBICIDES Alachlor Atrazine Dinoseb Pentachlorophenol 2,4,5-TP (Silvex) Simazine	Cancer; nervous system damage Cancer; nervous system and mammary glands damage Thyroid, reproductive organ damage Liver and kidney damage; cancer Nervous system, liver, and kidney damage; cancer Nervous system damage; cancer
CHEMICALS Benzene Carbon Tetrachloride Chlorobenzene (Monochlorobenzene) DBCP (Dibromochloropropane) o-Dichlorobenzene p-Dichlorobenzene (para-Dichlorobenzene) 1,2-Dichloroethane (1,2-DCA) trans-1,2-Dichloroethylene 1,1-Dichloroethylene (1,1-DCE) cis 1,2-Dichloroethylene 1,2-Dichloropropane Ethylbenzene EDB (Ethylene Dibromide) Hexachlorobutadiene (Perchlorobutadiene)	Cancer, leukemia, and anemia Cancer Nervous system, kidney, liver damage Reproductive system damage; cancer Cancer, Kidney, liver, and lung damage Cancer Cancer Liver, kidney, nervous, circulatory system damage Cancer, kidney, and liver damage Liver, kidney, nervous & circulatory system damage Nervous system, kidney, and liver damage Nervous system, liver, and kidney damage Reproductive and other organ damage Pending study

(Continued)

CONTAMINANT	HEALTH EFFECTS
Hexachlorocyclopentadiene meta-Xylene Methyl Tert Butyl Ether (MTBE) o-Xylene (Ortho-Xylene) para-Xylene Polychlorinated biphenyls (PCBs) Styrene I,1,2,2-Tetrachloroethane Tetrachloroethylene Toluene (Methylbenzene) 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane (1,1,1-TCA) 1,1,2-Trichloroethane Trichloroethylene (TCE)	Kidney and stomach damage Nervous system, liver, kidneys, lungs, and mucous membranes Lymphoma, leukemia, testicular tumors, thyroid tumors, kidney tumors Nervous system, liver, kidneys, lungs, and mucous membranes Nervous system, liver, kidneys, lungs, and mucous membranes Endocrine Disruptor; cancer Nervous system, kidney, and liver damage Pending study Nervous system damage; cancer Nervous system, liver, and kidney damage Liver and kidney damage Nervous system and liver damage Kidney, liver, and Nervous system damage Cancer
DISINFECTION BY-PRODUCTS (DBPs; VOCs) Chloropicrin Haloacetonitriles Bromochloroacetonitrile Dibromoacetonitrile Dichloroacetonitrile Trichloroacetonitrile) Haloketones (HK) 1,1-Dichloro-2-Propanone 1,1,-Trichloro-2-Propanone Tribromoacetic Acid Trihalomethanes (THMs; TTHMs) Bromodichloromethane Bromoform Chloroform Dibromochloromethane	Pending study. Fumigant; soil insecticide; war gas Pending study Pending study Pending study Cancer and other effects; reproductive problems Cancer, liver, kidney and reproductive problems Cancer, nervous system, liver, and kidney effects Cancer, liver, kidney, and reproductive effects Nervous system, liver, kidney, reproductive effects
CYSTS Cryptosporidium Giardia	Gastroenteric diseases Gastroenteric diseases
HEAVY METALS Lead Mercury	Nervous system and kidney damage; highly toxic to infants and pregnant women Kidney, nervous system disorders
INORGANICS Asbestos Turbidity	Cancer Interferes with disinfection, related to disinfection by-products
AESTHETIC TREATMENT Chlorine Chloramines Particulate Matter	None Known; however, creates disinfection by-products that have been linked to cancer None Known; however, consumers advised not to use water that contains chloramines for home dialysis machines or aquariums & ponds None Known