

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

Mercury

CASRN: 7439976

Parameter 1: INORGANIC

Parameter 3: Metals

Water Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download
Factsheet](#)

Freshwater

Concentration (µg/L) 0.026

May not prevent the accumulation of methylmercury in aquatic life, therefore, may not protect wildlife that consume aquatic life. Also, may not fully protect higher trophic level fish. Consult the factsheet for details. Consult equally the methylmercury guideline in the Canadian Tissue Residue Guidelines for the Protection of Wildlife Consumers of Aquatic Biota

Date 2003

Marine

Concentration (µg/L) 0.016

Interim guideline. May not protect fully high trophic level fish.

Date 2003

Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L) *No data*

Date *No data*

Livestock

Concentration (µg/L) 3

No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

Date 1987

Sediment Quality for the Protection of Aquatic Life

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download Factsheet](#)

Freshwater

Concentration (µg/kg dry weight) - ISQG 170

Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL
Mercury	8	34	36

Concentration (µg/kg dry weight) - PEL 486

Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL
Mercury	8	34	36

Date 1997

Marine

Concentration (µg/kg dry weight) - ISQG 130

Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥ PEL
Mercury	8	24	37

Concentration (µg/kg dry weight) - PEL 700

Guideline	% ≤ ISQG	ISQG < % < PEL	ISQG % ≥
Mercury	8	24	37

Date 1997

Soil Quality for the Protection of Environmental and Human Health

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download Factsheet](#)

Concentration (mg/kg dry weight) - Agricultural 6.6

Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental Health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

Concentration (mg/kg dry weight) - Residential / parkland 6.6

Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental Health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

Concentration (mg/kg dry weight) - Commercial 24

Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG_{HH}) and a Soil Quality Guideline for Environmental Health (SQG_E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for

this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.	
Concentration (mg/kg dry weight) - Industrial	50
Data are sufficient and adequate to calculate a Soil Quality Guideline for Human Health (SQG _{HH}) and a Soil Quality Guideline for Environmental Health (SQG _E). Therefore the soil quality guideline is the lower of the two and represents a fully integrated de novo guideline for this land use, derived in accordance with the soil protocol (CCME 1996;2006). The corresponding interim soil quality criterion (CCME 1991) is superseded by the soil quality guideline. For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.	
Date	1999
Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota	
Concentration (µg/kg diet wet weight)	see Methylmercury
Date	No data