

## Canadian Selenium Regulations - Federal and Provincial

ACT/REGULATION	APPLICATION	LINK
<b>Federal Regulations</b>		
Hazardous Products (Expansion Gates and Expandable Enclosures) Regulations;[SOR/90-39]	Describes the maximum amount of any selenium compound that can be used as a decorative or protective coating (0.1 per cent of that compound dissolves in five per cent hydrochloric acid after stirring for 10 minutes at 20 degrees celsius)	<a href="http://www.canlii.org/ca/regu/sor90-39/">http://www.canlii.org/ca/regu/sor90-39/</a>
Cribs and Cradles Regulations;[SOR/86-962]	Describes the maximum amount of any selenium compound that can be used in cribs and cradles (one-tenth of one per cent of such compound dissolves in five per cent hydrochloric acid after stirring for ten minutes at twenty degrees Celsius)	<a href="http://www.canlii.org/ca/regu/sor86-962/">http://www.canlii.org/ca/regu/sor86-962/</a>
Hazardous Products Act; [R.S. 1985, c. H-3]	Describes prohibited uses of selenium	<a href="http://www.canlii.org/ca/sta/h-3/whole.html">http://www.canlii.org/ca/sta/h-3/whole.html</a>
Ingredient Disclosure List, [SOR/88-64]	Lists various selenium compounds that must be disclosed when used as an ingredient in a product	<a href="http://www.canlii.org/ca/regu/sor88-64/whole.html">http://www.canlii.org/ca/regu/sor88-64/whole.html</a>
Food and Drug Regulations, [C.R.C., c. 870]	Outlines the maximum allowable quantity of selenium doses in drugs	<a href="http://www.canlii.org/ca/regu/crc870/">http://www.canlii.org/ca/regu/crc870/</a>
Canadian Environmental Protection Act; 1999, c. 33	Requires NPRI reporting of selenium compound air, land, and water emissions where applicable	<a href="http://www.canlii.org/ca/sta/c-15.31/whole.html">http://www.canlii.org/ca/sta/c-15.31/whole.html</a>
Pollutant Substances Pollution Prevention Regulations, [C.R.C., c. 1458]	Determines selenium oxide to be a pollutant for the purposes of Part XV of the Canada Shipping Act; prohibits discharge of selenium oxide into certain waters	<a href="http://www.canlii.org/ca/regu/crc1458/">http://www.canlii.org/ca/regu/crc1458/</a>
<b>Ontario</b>		
CONTROL OF EXPOSURE TO BIOLOGICAL OR CHEMICAL AGENTS, R.R.O. 1990, Reg. 833	Lists time-weighted average exposure values (TWAEV), short-term exposure values and ceiling exposure values (CEV) for selenium and selenium compounds	<a href="http://www.canlii.org/on/laws/regu/1990r.833/20040802/whole.html">http://www.canlii.org/on/laws/regu/1990r.833/20040802/whole.html</a>
GENERAL - WASTE MANAGEMENT; R.R.O. 1990, REGULATION 347	Defines maximum allowable concentrations of selenium in leachate (1.0 mg/L) and maximum allowable concentration of selenium in waste from a portable toilet to be disposed of at an organic soil conditioning site (34 mg/kg). Outlines particular selenium compounds that are classified as hazardous waste	<a href="http://www.canlii.org/on/laws/regu/1990r.347/20040802/whole.html">http://www.canlii.org/on/laws/regu/1990r.347/20040802/whole.html</a>
ONTARIO DRINKING-WATER QUALITY STANDARDS, O. Reg. 169/03	Defines allowable selenium concentrations in drinking water (0.01 mg/L)	<a href="http://www.canlii.org/on/laws/regu/2003r.169/20040802/whole.html">http://www.canlii.org/on/laws/regu/2003r.169/20040802/whole.html</a>
DRINKING-WATER SYSTEMS, O. Reg. 170/03	Describes testing and recording keeping requirements for selenium in drinking water systems	<a href="http://www.canlii.org/on/laws/regu/2003r.170/20040802/whole.html">http://www.canlii.org/on/laws/regu/2003r.170/20040802/whole.html</a>
GENERAL, O. Reg. 267/03	Defines standards for selenium in materials applied to land (including sewage biosolids)	<a href="http://www.canlii.org/on/laws/regu/2003r.267/20040802/whole.html">http://www.canlii.org/on/laws/regu/2003r.267/20040802/whole.html</a>
RECYCLING AND COMPOSTING OF MUNICIPAL WASTE, O. Reg. 101/94	Defines categories of compost based on various metal concentrations (including selenium) and determines acceptable compost uses for each category	<a href="http://www.canlii.org/on/laws/regu/1994r.101/20040802/whole.html">http://www.canlii.org/on/laws/regu/1994r.101/20040802/whole.html</a>
EFFLUENT MONITORING AND EFFLUENT LIMITS — INORGANIC CHEMICAL SECTOR, O. Reg. 64/95	Prescribes monitoring frequency and plant loading limits for process effluents, including selenium, for regulated plants	<a href="http://www.canlii.org/on/laws/regu/1995r.64/20040802/whole.html">http://www.canlii.org/on/laws/regu/1995r.64/20040802/whole.html</a>
Guideline for use at contaminated sites in Ontario	Describes soil and groundwater criteria for with respect to selenium	

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<b>Quebec</b>		
Occupational health and safety, Regulation respecting, R.Q. S-2.1, r.19.01	Defines permissible exposure values for selenium compounds (Selenium and compounds: 0.2 ppm TWAEV; Selenium hexafluoride: 0.05 ppm TWAEV).Designates selenium compounds as dangerous substances and regulates their storage and handling in the workplace	<a href="http://www.canlii.org/qc/laws/regu/s-2.1r.19.01/20040802/whole.html">http://www.canlii.org/qc/laws/regu/s-2.1r.19.01/20040802/whole.html</a>
Land Protection and Rehabilitation Regulation, R.Q. Q-2, r.18.1.01	Describes soil and groundwater criteria for various sites with respect to selenium	<a href="http://www.canlii.org/qc/laws/regu/q-2r.18.1.01/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.18.1.01/20040802/whole.html</a>
Hazardous materials, Regulation respecting, R.Q. Q-2, r.15.2	Defines maximum concentration of selenium in liquids or in leachates from solid material before it is classified as a hazardous material (1.0 mg/L)	<a href="http://www.canlii.org/qc/laws/regu/q-2r.15.2/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.15.2/20040802/whole.html</a>
Quality of the atmosphere, Regulation respecting the, R.Q. Q-2, r.20	Outlines maximum allowable selenium emissions to the atmosphere from a metal purification plant and analytical requirements for emission testing (25 mg/Nm <sup>3</sup> )	<a href="http://www.canlii.org/qc/laws/regu/q-2r.20/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.20/20040802/whole.html</a>
Quality of the work environment, Regulation respecting the, R.Q. S-2.1, r.15	Defines time-weighted average exposure value and short-term exposure value for airborne selenium compounds in the work environment	<a href="http://www.canlii.org/qc/laws/regu/s-2.1r.15/20040802/whole.html">http://www.canlii.org/qc/laws/regu/s-2.1r.15/20040802/whole.html</a>
Terms and conditions for the sale of medications, Regulation respecting the, R.Q. P-10, r.8.2	Regulates the storage and sale of selenium containing medications	<a href="http://www.canlii.org/qc/laws/regu/p-10r.8.2/20040802/whole.html">http://www.canlii.org/qc/laws/regu/p-10r.8.2/20040802/whole.html</a>
Burial of contaminated soils, Regulation respecting the, R.Q. Q-2, r.6.01	Outlines the maximum allowable selenium criteria for the disposal of soil in contaminated soil burial sites (50 mg/kg dry matter).	<a href="http://www.canlii.org/qc/laws/regu/q-2r.6.01/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.6.01/20040802/whole.html</a>
Quality of drinking water, Regulation respecting the, R.Q. Q-2, r.18.1.1	Outlines maximum allowable selenium concentration in drinking water (0.01 mg/L)	<a href="http://www.canlii.org/qc/laws/regu/q-2r.18.1.1/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.18.1.1/20040802/whole.html</a>
Act respecting explosives, Regulation respecting the, R.Q. E-22, r.1	Outlines storage, transportation, handling requirements for explosives including selenium nitride	<a href="http://www.canlii.org/qc/laws/regu/e-22r.1/20040802/whole.html">http://www.canlii.org/qc/laws/regu/e-22r.1/20040802/whole.html</a>
Environmental impact assessment and review, Regulation respecting, R.Q. Q-2, r.9	Outlines the maximum allowable concentration of selenium in soil to be disposed of beyond which the disposal site is subject to an environmental impact assessment and review procedure (10 mg/kg dry matter)	<a href="http://www.canlii.org/qc/laws/regu/q-2r.9/20040802/whole.html">http://www.canlii.org/qc/laws/regu/q-2r.9/20040802/whole.html</a>
Bottled water, Regulation respecting, R.Q. P-29, r.1.1	Defines the maximum allowable concentration of selenium in bottled water, so that the water may be called "spring water" (0.01 ppm)	<a href="http://www.canlii.org/qc/laws/regu/p-29r.1.1/20040802/whole.html">http://www.canlii.org/qc/laws/regu/p-29r.1.1/20040802/whole.html</a>
<b>Alberta</b>		
Waste Control Regulation, Alta. Reg. 192/1996	Outlines maximum allowable selenium concentration for the disposal of hazardous waste into a landfill (200 mg/kg)	<a href="http://www.canlii.org/ab/laws/regu/1996.192/20040802/whole.html">http://www.canlii.org/ab/laws/regu/1996.192/20040802/whole.html</a>
Production Animal Medicine Regulation, Alta. Reg. 299/2003	preparations containing minerals for oral administration, and selenium and iron for injection into production, animals for the prevention or treatment of deficiencies, including hematinics for horses containing not more than 1 milligram of copper gluconate or cobalt gluconate, or both;	<a href="http://www.canlii.org/ab/laws/regu/2003r.299/20040802/whole.html">http://www.canlii.org/ab/laws/regu/2003r.299/20040802/whole.html</a>

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ACT/REGULATION	APPLICATION	LINK
<b>British Columbia</b>		
Waste Discharge Regulation; B.C. Reg. 320/2004	Outlines fees for air and effluent permits and approvals based on contaminant concentrations (including selenium under the category "metals")	<a href="http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/320_2004.htm">http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/320_2004.htm</a>
Hazardous Waste Regulation; B.C. Reg. 63/88	Outlines effluent standards for Hazardous Waste Facilities, Emission Standards for Thermal Treatment Facilities and Leachate Quality Standards	<a href="http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/EnvMgmt63_88/63_88.htm">http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/EnvMgmt63_88/63_88.htm</a>
Contaminated Sites Regulation; B.C. Reg. 375/96	Defines water standards regarding selenium for aquatic life, irrigation, livestock, and drinking water categories. Outlines soil standards for selenium for various land uses and describes selenium standards triggering contaminated soil relocation agreements	<a href="http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/EnvMgmt375_96/375_96.htm">http://www.qp.gov.bc.ca/statreg/reg/E/EnvMgmt/EnvMgmt375_96/375_96.htm</a>
INDUSTRIAL HEALTH AND SAFETY REGULATION; B.C. Reg. 585/77	Defines permissible concentrations (8-hr and 15-min limits) for airborne selenium containing compounds. Defines Maximum Acceptable Body Burdens for selenium (urine: 300 ug/L).	<a href="http://www.qp.gov.bc.ca/statreg/reg/w/workerscomp/585%5F77.htm">http://www.qp.gov.bc.ca/statreg/reg/w/workerscomp/585%5F77.htm</a>
DRUG SCHEDULES REGULATION; B.C. Reg. 9/98	Regulates the storage and sale of selenium containing drugs	<a href="http://www.qp.gov.bc.ca/statreg/reg/p/pharmacistsetc/9%5F98.htm">http://www.qp.gov.bc.ca/statreg/reg/p/pharmacistsetc/9%5F98.htm</a>
OCCUPATIONAL HEALTH AND SAFETY REGULATION; B.C. Reg. 296/97	Outlines 8-hr, 15-min, and ceiling exposure limits for selenium and selenium compounds	<a href="http://www.qp.gov.bc.ca/statreg/reg/w/workerscomp/workcomp296%5F97/296%5F97%2D00.htm">http://www.qp.gov.bc.ca/statreg/reg/w/workerscomp/workcomp296%5F97/296%5F97%2D00.htm</a>