

**Annex A**

**TITLE 25. ENVIRONMENTAL PROTECTION**

**PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Subpart D. ENVIRONMENTAL HEALTH AND SAFETY**

**ARTICLE VI. GENERAL HEALTH AND SAFETY**

**CHAPTER 250. ADMINISTRATION OF LAND RECYCLING PROGRAM**

**Appendix A**

**Table 4—Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil**

**A. Direct Contact Numeric Values**

<i>Regulated Substance</i>	<i>CASRN</i>	<i>Residential MSC 0—15 feet</i>	<i>Nonresidential MSCs</i>				
			<i>Surface Soil 0—2 feet</i>		<i>Subsurface Soil 2—15 feet</i>		
		* *	* *	* *	* *	* *	
CHROMIUM VI	18540-29-9	[37] <u>27</u>	G	[180] <u>570</u>	G	[140,000] <u>150,000</u>	N
		* *	* *	* *	* *	* *	

All concentrations in mg/kg

G—Ingestion

N—Inhalation

C—Cap

U—UBK Model

S—SEGH Model

**Table 5—Physical and Toxicological Properties**

**B. Inorganic Regulated Substances**

<i>Regulated Substance</i>	<i>CAS</i>	<i>RfDo (mg/kg-d)</i>	<i>CSFo (mg/kg-d)<sup>-1</sup></i>	<i>RfCi (mg/m<sup>3</sup>)</i>	<i>IUR (ug/m<sup>3</sup>)<sup>-1</sup></i>	<i>Kd</i>	
		* *	* *	* *			
CHROMIUM VI	18540-29-9	[0.003] <u>0.0009</u>	I [0.5] <u>0.16</u>	[C] I	[0.000008] <u>0.00003</u>	I [0.012] <u>0.011</u>	I 19
		* *	* *	* *			

Toxicity Value Sources:

C = California EPA Cancer Potency Factor

D = ATSDR Minimal Risk Level

H = Health Effects Assessment Summary Table (HEAST)

I = Integrated Risk Information System (IRIS)

P = EPA Provisional Peer-Reviewed Toxicity Value

X = EPA Provisional Peer-Reviewed Toxicity Value Appendix

Id = IRIS derived—Value derived from the IRIS oral RfD for Vanadium Pentoxide (0.009 mg/kg-day). Vanadium constitutes 56% of the molecular weight of the Vanadium Pentoxide molecule.  $0.009 \text{ mg/kg-day} \times 0.56 = 0.005 \text{ mg/kg-day}$ .