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

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

Regulated Substance	*CAS*	*RfDo (mg/kg-d)*		*CSFo (mg/kg-d)$^{-1}$*		*RfCi (mg/m^3)*		*IUR (ug/m3)$^{-1}$*		*Kd*
* * * * *										
CHROMIUM VI	18540-29-9	**[0.003] 0.0009**	I	**[0.5] 0.16**	**[C] I**	**[0.000008] 0.00003**	I	**[0.012] 0.011**	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 mg/kg-day × 0.56 = 0.005 mg/kg-day.