

## Toxicity Values for the TEACH Chemical Summary

### Chemical Name: Mercury, elemental

Tox Value	Link	Date Last Revised	Value	Critical Effect(s)	Children's Studies?	Uncertainty Factors and Other Info
RfD	<a href="http://www.epa.gov/iris/su bst/0370.htm">www.epa.gov/iris/su bst/0370.htm</a>	N/A				
RfC	<a href="http://www.epa.gov/iris/su bst/0370.htm">www.epa.gov/iris/su bst/0370.htm</a>	06/01/1995	3E-4 mg/cu.m	Hand tremor, increases in memory disturbance; slight subjective and objective evidence of autonomic dysfunction	Two supporting studies	UF=30: 10 for sensitive human subpopulations and for the use of an LOAEL; 3 for lack of data base, particularly developmental and reproductive studies; MF=1
Cancer Oral Slope Factor	<a href="http://www.epa.gov/iris/su bst/0370.htm">www.epa.gov/iris/su bst/0370.htm</a>	05/01/1995	N/A			Cancer classification: D; not classifiable as human a carcinogen
Cancer Inhalation Unit Risk	<a href="http://www.epa.gov/iris/su bst/0370.htm">www.epa.gov/iris/su bst/0370.htm</a>	05/01/1995	N/A			
Drinking Water Concentrations at Specified Risk Levels	<a href="http://www.epa.gov/iris/su bst/0370.htm">www.epa.gov/iris/su bst/0370.htm</a>	05/01/1995	N/A			
MRL	<a href="http://www.atsdr.cdc.gov/mrls.html">www.atsdr.cdc.gov/mrls.html</a>	03/99	Inhalation Chronic= 0.0002 mg/kg/day	Neurological		Factor = 30
MCL (drinking water)	<a href="http://www.epa.gov/safewater/mcl.html#mcls">www.epa.gov/safewater/mcl.html#mcls</a>	July 2002	0.002 mg/L	Kidney damage		Sources: Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands
MCLG (drinking water)	same as MCL	July 2002	0.002 mg/L	Kidney damage		
Drinking Water Advisories (10-kg child)	<a href="http://www.epa.gov/ost/drinking/standards/dwstandards.pdf">www.epa.gov/ost/drinking/standards/dwstandards.pdf</a>	Winter 2004	1 day - 0.002 mg/L 10 day - 0.002 mg/L			