

Toxicity Values for the TEACH Chemical Summary

Chemical Name: Benzo(a)pyrene

Tox Value	Link	Date Last Revised	Value	Critical Effect(s)	Children's Studies?	Uncertainty Factors and Other Info
RfD	www.epa.gov/iris/subst/0136.htm	N/A				
RfC	www.epa.gov/iris/subst/0136.htm	N/A				
Cancer Oral Slope Factor	www.epa.gov/iris/subst/0136.htm	11/01/1994	7.3E+0 per (mg/kg)/day	Forestomach, larynx and esophagus papillomas and carcinomas	none	Classification -- B2; probable human carcinogen; only been shown in animals.
Cancer Drinking Water Unit Risk	www.epa.gov/iris/subst/0136.htm	11/01/1994	2.1E-4 per (g/L)			Extrapolation Method -- Geometric mean of four slope factors from different modeling procedures. Combined multiple data sets from two studies.
Drinking Water Concentrations at Specified Risk Levels	www.epa.gov/iris/subst/0136.htm	11/01/1994	<u>E-4 (1 in 10,000)</u> 5E-1 g/L <u>E-5 (1 in 100,000)</u> 5E-2 g/L <u>E-6 (1 in 1,000,000)</u> 5E-3 g/L			
MRL	www.atsdr.cdc.gov/mrls.html	N/A				
MCL (drinking water)	www.epa.gov/safewater/mcl.html#mcls	July 2002	0.0002 mg/L	Reproductive difficulties; increased risk of cancer		Sources: Leaching from linings of water storage tanks and distribution lines
MCLG (drinking water)	same as MCL	July 2002	Zero			
Drinking Water Advisories	www.epa.gov/ost/drinking/standards/dwstandards.pdf	N/A	N/A			