

Toxicity Values for the TEACH Chemical Summary

Chemical Name: Formaldehyde

Tox Value	Link	Date Last Revised	Value	Critical Effect(s)	Children's Studies?	Uncertainty Factors and Other Info
RfD	www.epa.gov/iris/su/bst/0419.htm	09/01/1990	2E-1 mg/kg-day	Reduced weight gain; histopathology in rats	None	UF=100 was for the inter- and intraspecies differences; MF=1
RfC	www.epa.gov/iris/su/bst/0419.htm	N/A				
Cancer Oral Slope Factor	www.epa.gov/iris/su/bst/0419.htm	N/A				
Cancer Inhalation Unit Risk	www.epa.gov/iris/su/bst/0419.htm	05/01/1991	1.3E-5 per (g/cu.m)	Nasal squamous cell carcinomas	None	Cancer classification:B1- probable human carcinogen, limited evidence. Extrapolation Method -- linearized multistage procedure, extra risk
Air Concentrations at Specified Risk Levels	www.epa.gov/iris/su/bst/0419.htm	05/01/1991	<u>E-4 (1 in 10,000)</u> 8E+0 g/cu.m <u>E-5 (1 in 100,000)</u> 8E-1 g/cu.m <u>E-6 (1 in 1,000,000)</u> 8E-2 g/cu.m			
MRL	www.atsdr.cdc.gov/mrls.html	07/99	Inhalation Acute = 0.04 ppm	Respiratory		Factor = 9
			Inhalation Int.= 0.03 ppm	Respiratory		Factor = 30
			Inhalation Chronic= 0.008 ppm	Respiratory		Factor = 30
			Oral Int.= 0.3 mg/kg/day	Gastrointestinal		Factor = 100
			Oral Chronic= 0.2 mg/kg/day	Gastrointestinal		Factor = 100

MCL (drinking water)	www.epa.gov/safewater/mcl.html#mcls	N/A				
MCLG (drinking water)	same as MCL	N/A				
Drinking Water Advisories (10-kg child)	www.epa.gov/ost/drinking/standards/dwstandards.pdf	Winter 2004	1 day - 10 mg/L 10 day - 5 mg/L			