

Toxicity Values for the TEACH Chemical Summary

Chemical Name: Di(2-ethylhexyl)phthalate

| 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/0014.htm | 05/1/1991 | 2E-2 mg/kg/day | Increased relative liver weight | None | UF=1000: 10 for intraspecies, 10 for sensitive population, 10 for LOAEL extrapolation, effect was considered to be minimally adverse; MF=1 |
| RfC | www.epa.gov/iris/su bst/0014.htm | N/A | | | | |
| Cancer Oral Slope Factor | www.epa.gov/iris/su bst/0014.htm | 02/1/1993 | 1.4E-2 mg/kg/day | Hepatocellular carcinoma/adenoma | None | Classification--B2; probable human carcinogen. Linearized multistage procedure, extra risk. |
| Cancer Drinking Water Unit Risk | www.epa.gov/iris/su bst/0014.htm | 02/1/1993 | 4.0E-7 per (ug/L) | | | |
| Drinking Water Concentrations at Specified Risk Levels | www.epa.gov/iris/su bst/0014.htm | 02/1/1993 | <u>E-4 (1 in 10,000)</u> 3E+2 ug/L <u>E-5 (1 in 100,000)</u> 3E+1 ug/L <u>E-6 (1 in 1,000,000)</u> 3E+0 ug/L | | | |
| MRL | www.atsdr.cdc.gov/mrls.html | 09/02 | Oral Int.=0.1 mg/kg/day | Reproductive | | Factor = 100 |
| | | | Oral Chronic=0.06 mg/kg/day | Reproductive | | Factor = 100 |
| MCL (drinking water) | www.epa.gov/safewater/mcl.html#mcls | July 2002 | 0.006 mg/L | Reproductive and liver problems; increased cancer risk | | Sources: Discharge from rubber and chemical factories |
| MCLG (drinking water) | same as MCL | July 2002 | Zero | | | |
| Drinking Water Advisories (10-kg child) | www.epa.gov/ost/drinking/standards/dwstandards.pdf | N/A | | | | |

