Cadmium and compounds

Cd

[CAS No. 7440-43-9]

Reproductive toxicant: Group 1

Several epidemiology studies have shown a negative correlation between urinary cadmium (Cd) concentrations of mothers and the birth weights of their children\(^1\)\(^-\)\(^3\). The elevation of Cd concentrations in umbilical cord blood of mothers was significantly associated with decreased height, weight, and head circumference of their children at 3 years old\(^4\). No effects on fertility of male workers were reported\(^5\). Many animal studies have shown male and female reproductive organ toxicity, teratogenicity, and developmental toxicity of Cd, including fetal malformation and death, in several experimental animals\(^6\),\(^7\). Based on this evidence, Cd is classified as a Group 1 reproductive toxicant.

References