Group 1

Carbon monoxide
CO
[CAS No. 630-08-0]
Reproductive toxicant: Group 1

Several epidemiology studies have shown a positive correlation between exposure to carbon monoxide and adverse effects on pregnancy and newborns. Decreased body weight was reported in newborns whose mothers smoked when they were pregnant\(^1,2\), and increased pregnancy hypertension rates were reported among pregnant women lived in environments with high levels of ambient carbon monoxide exposure\(^3,4\). Many animal studies have shown reproductive and developmental toxicities of carbon monoxide in mice\(^5\) and rats\(^6−9\). Based on this evidence, carbon monoxide is classified as a Group 1 reproductive toxicant. Precautions should be taken to prevent the reproductive toxicity of this substance even if exposure levels are at or below the current OEL-M.

References