

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 mice⁵⁾ and rats⁶⁻⁹⁾. 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

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