1-Bromopropane

\[ \text{C}_3\text{H}_7\text{Br} \]

[CAS No. 106-94-5]

Reproductive toxicant: Group 2

There are no reports that have shown clear evidence of the reproductive toxicity of 1-bromopropane (1-BP) in humans. Some studies have reported that exposure to 1-BP induced disruption of the menstrual cycle and increased the level of follicle stimulating hormone in female workers; however, these reports were considered to be insufficient evidence because the numbers of cases were too small and the confounding factors and dose-response relationships were not fully considered\(^1\)\(^-\)\(^2\). On the other hand, many animal studies have shown the reproductive toxicity of 1-BP in both sexes, including adverse effects on reproductive organs, fetal malformation, and reduced fertility\(^3\)\(^-\)\(^6\). Based on this evidence, 1-bromopropane is classified as a Group 2 reproductive toxicant.

References