2-Bromopropane

\[ \text{CH}_3\text{CHBrCH}_3 \]

[CAS No. 75-26-3]

Reproductive toxicant: Group 1

Several case series studies about azoospermia, oligospermia, menstrual disorder, and ovarian failure\(^1-^3\) and a cross-sectional study conducted in a factory using 2-bromopropane\(^4\) have shown clear or supportive evidence indicating that 2-bromopropane has unequivocal testicular and ovarian toxicities. Animal studies using rodents have also shown that 2-bromopropane impairs spermatogonia in the testis, decreases the number of ovarian follicles, and induces embryo toxicity\(^5-^10\). Based on this evidence, 2-bromopropane is classified as a Group 1 reproductive toxicant.

References