

Toluene
C₆H₅CH₃
[CAS No. 108-88-3]
Reproductive toxicant: Group 1

Some epidemiology studies have shown an association between occupational exposure to toluene and adverse effects on pregnancy and fertility. Increased spontaneous abortion rates were reported among female workers in an audio speaker factory¹⁾. Lowered LH and FSH levels were also reported in printing workers²⁾. Some case reports on abusers have shown evidence of embryo/fetus toxicity that high levels of inhalation exposure during pregnancy cause malformation as well as various developmental disorders after birth³⁻⁶⁾. Animal studies have also indicated adverse effects of toluene on reproduction, including reduced fetal weight and increased skeletal variations in rats⁷⁻⁹⁾. Based on this evidence, toluene is classified as a Group 1 reproductive toxicant.

References

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