Ethylene glycol monoethyl ether acetate
\[ \text{C}_2\text{H}_5\text{OCH}_2\text{CH}_2\text{OOCOCH}_3 \]
[CAS No. 111-15-9]
Reproductive toxicant: Group 2

A retrospective cohort study reported that female workers exposed to a mixture of diethylene glycol dimethyl ether and ethylene glycol monoethyl ether acetate (EGEEA) showed significantly increased relative risks of subfertility and spontaneous abortion\(^1\). Menstrual patterns of workers exposed to low levels of EGEEA did not show differences compared with those of controls\(^2\). In animal studies, clear evidence of testis toxicity\(^3, 4\), embryo toxicity\(^5, 6\) and teratogenicity\(^5, 6\) has been reported. There is inadequate evidence in humans but sufficient evidence in animals. Based on this evidence, EGEEA is classified as a Group 2 reproductive toxicant.

References
4) Adedara IA, Farombi EO. Induction of oxidative damage in the testes and spermatozoa and hematotoxicity in rats exposed to multiple doses of ethylene glycol monoethyl ether. Hum Exp Toxicol 2010; 29: 801–12.