

G025
Chloromethane [74-87-3]

Results of Testing

Chemical Name	CAS No.	Study Code/Type	Protocol/Guideline	Species	Exposure	Dose/Concentration	No. per Group	Results	Reference
Chloromethane	74-87-3	HERTOXTERE 2-Generation reproduction study (Voluntary test)	Non-TSCA Protocol/ Guideline	rats	inhalation, 6 hr/d; 5d/wk; 10 wks	0, 150, 475, 1500 ppm	40 male; 80 female	Body weight gain decreased relative to controls for animals dosed at 1500 ppm after 2 weeks of exposure and for all F0 animals after day 57. Observations of treated animals (in high-dose males) included severe testicular degeneration and granulomas in the epididymis. No litters were born to exposed or unexposed females mated to high-dose males, and fewer litters were born to mid-dose females. No differences were observed in litter size, sex ratio, pup viability, or pup growth (in mid- to low-dosed groups). Two weeks after exposure ceased, 5 out of 20 F0 males had regained the ability to sire normal litters versus 15 out of 20 of the F0 mid-dosed and control males. A trend towards decreased fertility was observed in mid-dose F1 pups compared to the low-dose and control groups after 10 weeks of exposure.	49 FR 30114; 7/26/84 OTS0206500