

**G048**  
**Formamide [75-12-7]**

**Results of Testing**

Chemical Name	CAS No.	Study Code/Type	Protocol/Guideline	Species	Exposure	Dose/Concentration	No. per Group	Results	Reference
Formamide	75-12-7	HEGTOXMUTA Ames test	National Toxicology Program (NTP)	<i>Salmonella typhimurium</i>	<i>in vitro</i>	Not specified	Not specified	Negative response	NTP Results Report 8/8/96
Formamide	75-12-7	HEGTOXMUTA Sex-linked recessive lethal assay	National Toxicology Program (NTP)	<i>Drosophila</i>	Not specified	Not specified	Not specified	Negative response	NTP Results Report 8/8/96
Formamide	75-12-7	HESTOX Range-finding study	Non-TSCA Protocol/Guideline (docket OPTS-42032)	rats	dermal, 1x/d; 5d/wk; 2wks	0, 100, 300, 1000, 3000 mg/kg/d	10 male, 5 female	All of the treatment groups had a decrease in body weight gain. No other toxic effects were observed at any of the selected concentrations. No clinical or behavioral abnormalities were observed.	49 FR 5187; 2/10/84 OTS0507216
Formamide	75-12-7	HESTOX Subchronic study	Non-TSCA Protocol/Guideline (docket OPTS-42032)	rats	dermal occluded, 6hr/d; 5d/wk; 90 days	0, 30, 100, 3000 mg/kg/d	10 male, 10 female	Mortality was observed in 3 out of 20 of the high dosed male rats. Observations of high dose animals revealed erythema of the skin, dyspnea, poor general state, shaggy fur, staggering, reduced food consumption, and decreased body weight. Hematological findings revealed increases in mean hemoglobin content per erythrocyte, mean corpuscular hemoglobin concentration values, and mean cell volume. In males, there were reductions in leukocyte and lymphocyte values, and in platelet counts. Necropsy observations included decreases in absolute weight of the liver, kidneys, spleen, testes, and adrenal glands in the males. Both sexes had increases in relative weights of the liver and kidneys.	50 FR 31919; 8/7/85 OTS0521699