

TABLE 1.—SUBCHRONIC, CHRONIC, AND OTHER TOXICITY

Guideline No.	Study Type	Results
870.3100	90-day oral toxicity in rats	NOAEL = 5,000 parts per million (ppm) (456–499 milligrams/kilograms/day (mg/kg/day)). LOAEL = 15,000 ppm (1,489–1,503 mg/kg/day) based on clinical signs, death, effects on erythrocytes, changes in clinical chemicals for liver function and splenomegaly.
870.3150	90-day oral toxicity in dogs	NOAEL = 1,000 mg/kg/day. LOAEL not established, no effects observed.
870.3200	28-Day dermal toxicity in rats	NOAEL = 1,000 mg/kg/day. LOAEL not established; no effects observed.
870.3700	Prenatal developmental in rats	Maternal NOAEL $\geq$ 1,000 mg/kg/day Maternal LOAEL not determined; no effects observed. Developmental NOAEL $\geq$ 1,000 mg/kg/day. Developmental LOAEL not determined; no effects observed.
870.3700	Prenatal developmental in rabbits	Maternal NOAEL = 20 mg/kg/day. Maternal LOAEL = 60 mg/kg/day based on mortality. Developmental = 60 mg/kg/day. Developmental LOAEL = 150 mg/kg/day based on increased incidence of abortion.
870.3800	Reproduction and fertility effects	Parental NOAEL = 1,000 ppm (70.8–82.3 mg/kg/day (M); 80.1–91.2 (F)). Parental LOAEL = 10,000 ppm (721–844 and 813–901 mg/kg/day) based on decreased body weight (bwt) and bwt gains of F <sub>0</sub> and F <sub>1</sub> (M) and F <sub>1</sub> (F), gross and microscopic liver lesions of (M) and (F)-both generations. Reproductive NOAEL $\geq$ 10,000 ppm (721–844 and 813–901 mg/kg/day). Reproductive LOAEL not determined; no effects observed. Offspring NOAEL = 1,000 ppm (70.8–82.3 mg/kg/day (M); 80.1–91.2 (F)). Offspring LOAEL = 10,000 ppm (721–844 and 813–901 mg/kg/day) based on decreased bwt and bwt gains of the F <sub>1</sub> and F <sub>2</sub> pups.
870.4100	Chronic toxicity in dogs	NOAEL $\geq$ 1,000 mg/kg/day. LOAEL not determined; no effects observed.
870.4200	Carcinogenicity in mice	NOAEL = 200 ppm (20.99 mg/kg/day (M); 19.58 mg/kg/day (F)). LOAEL = 1,000 ppm (109.7 mg/kg/day (M); 98.3 mg/kg/day (F) based on liver toxicity, hepatocellular tumors at 5,000 ppm; possibly hemangioma/ hemangioasarcomas.
870.4300	Chronic toxicity in rodents/carcinogenicity in rats	NOAEL = 2,000 ppm (86.7 mg/kg/day (M); 111.5 mg/kg/day (F)). LOAEL = 10,000 ppm (468.1 mg/kg/day (M); 578.5 mg/kg/day (F) based on decreased bwt and bwt gain in males and microcytic anemia, liver lesions and kidney toxicity (both sexes); possible increase pheochromocytomas in females.
870.5100	Gene mutation	Non-mutagenic when tested up to 5,000 $\mu$ g/plate, in presence and absence of metabolic activation (S9-mix), in <i>S. typhimurium</i> strains TA98, TA100, TA1535, TA1537 and TA1538 and <i>E.coli</i> strain WP2(uvrA). There was no evidence of induced mutant colonies over background.