

TABLE 1.—TOXICOLOGY PROFILE FOR SETHOXYDIM TECHNICAL

Guideline No.	Study Type	Results
870.1100	Acute oral—rats	LD <sub>50</sub> = male (M): 3,125 milligram/kilogram (mg/kg); female (F) 2,676 mg/kg (category III)
870.1200	Acute dermal—rats	LD <sub>50</sub> = > 5,000 mg/kg (category III)
870.1300	Acute inhalation—rats	LC <sub>50</sub> = M: 6.03 meter/Liter (m/L); F 6.28 m/L (category III)
870.2400	Primary eye irritation—rabbits	No irritation (category IV)
870.2500	Primary skin irritation—rabbits	No irritation (category IV)
870.2600	Dermal sensitization—guinea pigs	Waived based on lack of sensitization in guinea pigs with a formulated product
870.3100	90-Day oral toxicity rodents (rats)	<i>Males</i> NOAEL = 60.4 LOAEL = 196.3 mg/kg/day <i>Females</i> NOAEL = 66.2 LOAEL = 200.5 mg/kg/day Based on decreases in body weight, body weight gain, and food efficiency
870.3100	90-Day oral toxicity rodents (mice)	<i>Males</i> NOAEL = 45.6 LOAEL = 137.1 mg/kg/day <i>Females</i> NOAEL = 52.7 LOAEL = 164.4 mg/kg/day based on increased liver weight and histopathological evidence of hepatocellular hypertrophy
870.3150	90-Day oral toxicity (non-rodents-dogs)	<i>Males and females</i> NOAEL not identified LOAEL = 3.4 mg/kg/day (tentative) based on possible treatment-related clinical findings of cystitis of urinary bladders
870.3200	21-Day dermal toxicity (rabbits)	<i>Males and females</i> NOAEL = 1,000 mg/kg/day highest dose tested (HDT) LOAEL not established. No localized or systemic effects
870.3465	4-Week inhalation toxicity (rats)	<i>Males and females</i> NOAEL = 0.3 mg/L (81 mg/kg/day) LOAEL of 2.4 mg/L (651 mg/kg/day), based on increased liver weight, clinical chemistry (increased total serum bilirubin), and liver histopathology
870.3700	Prenatal developmental toxicity (rats)	<i>Maternal</i> NOAEL = 180 mg/kg/day LOAEL = 650 mg/kg/day (irregular gaits, decreased activity, excessive salivation, and anogenital staining) <i>Developmental</i> NOAEL = 180 mg/kg/day LOAEL = 650 mg/kg/day (21–22% decrease in fetal weights, filamentous tail and lack of tail due to the absence of sacral, and/or caudal vertebrae, and delayed ossification in the hyoids, vertebral centrum, and/or transverse processes, sternbrae and/or metatarsals, and pubes)
870.3700	Prenatal developmental toxicity (rabbits)	<i>Maternal</i> NOAEL = 320 mg/kg/day LOAEL = 400 mg/kg/day, (based on 37% reduction in body weight gain without significant differences in group mean body weights, and decreased food consumption during dosing) <i>Developmental</i> NOAEL 320 mg/kg/day LOAEL = 400 mg/kg/day HDT based on an increase in the incidence of incompletely ossified 6th sternbrae