

US EPA ARCHIVE DOCUMENT

Summary of the Environmental Toxicity of Propazine (12/17/93)

Test Type	% a.i.	Species	Toxicity	Status	
71-2a	Bobwhite Quail	80W	LC50 7,950 ppm	34121	Suppl.
	calculated for 100 %	LC50	6,360 ppm		
71-2b	Mallard Duck	80W	LC50 32,000 ppm	34122	Suppl.
	calculated for 100 %	LC50	25,600 ppm		
123-1(a)	Tier II. Seedling growth - minimal lethal concentrations (nutrient solution exposures)				
	Sorghum	?? %	EC??* 51.4 ppm	5007255	Suppl.
	Wheat	?? %	EC??* 0.82 ppm	5007255	Suppl.
	Cucumber	?? %	EC??* 0.12 ppm	5007255	Suppl.
141.1	Honey Bee (contact)	?? %	2.47 % dead at 97 ug/bee	0036935	Suppl.
	Rat	90 %	LD50 > 5,000 mg/kg	0238806	-
	Mice	Tech.	LD50 > 5,000 mg/kg	-	-
	Rabbit (dermal)	90 %	LD50 > 2,000 mg/kg	0238806	-
	Rat (4-hr inhal.)	90 %	LC50 > 2.1 mg/l	0238806	-
	Rat (4-hr inhal.)	80W	LC50 > 14 mg/l	-	-
	Rat (90-day)	80W	NOEL 200 ppm	-	-
			LOEL 1,000 ppm		
	Dog (90-day)	80W	NOEL 200 ppm	-	-
			LOEL 1,000 ppm		
	Mice (2-year)	Tech.	NOEL 100 ppm	0243350	-
			LOEL 3,000 ppm		
	Oncogenic		NOEL > 3,000 ppm		
	Rat (3 generation)	Tech.	NOEL 100 ppm	0243356	-
			LOEL 1,000 ppm		decreased wt.
	Rat (teratology)	99.1%	NOEL 10 ppm	0073885	
			LOEL 100 ppm		dame wt. loss
	fetal		LOEL 100 ppm		
	Incomplete ossification of skeletal structures				
	Rat (teratology)	99.1%	NOEL < 300 ppm	0073885	Core
			LOEL 300 ppm		fetal wt. loss
			LOEL 300 ppm		dame wt. loss
	Rat (teratology)	Tech.	NOEL 100 ppm	0070554	-
			LOEL 300 ppm		fetal wt. loss
			LOEL 300 ppm		maternal toxic
	Rat (2-year)	Tech.	NOEL 100 ppm	0243353	-
			LOEL 1,000 ppm		decreased wt.
	Oncogenic		NOEL 100 ppm		
			LOEL 1,000 ppm		mammary tumors

* "minimal lethal concentrations"



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Test	Species	% a.i.	Test Results		MRID#	Status
72.1a	Bluegill	98.7%	LC50 >	10 ppm	00034124	Suppl.
72.1a	Goldfish	98.7%	LC50 >	32 ppm	00034125	Suppl.
72.1c	Rainbow Trout	98.7%	LC50	16.5 ppm	00034123	Core
124-2	Potamogeton nodosus is (pondweed)	Field Test	NOEC	0.1 ppm 3.0 ppm	100918-S (minimal effect)	Suppl.
124-2	Chara vulgaris lotus Musk-grass (green algae)	Field Test	NOEC	0.1 ppm 3.0 ppm	100918-S (minimal effect)	Suppl.
124-2	Nelumbo lutea (lotus lily)	Field	NOEC	3.0 ppm	100918-S	Suppl.
124-2	Scirpus validus (bulrush)	Field	NOEC	3.0 ppm	100918-S	Suppl.