

US EPA ARCHIVE DOCUMENT

TABLE A
GENERIC DATA REQUIREMENTS FOR CARBARYL

Data Requirement	Composition	1/ Use 2/ Patterns	Does EPA Have Data To Satisfy This Requirement? (Yes, No or Partially)	Bibliographic Citation	Must Additional Data Be Submitted Under FIFRA Section 3(c)(2)(B)? ^{3/}
<u>§ 158.135 Toxicology</u>					
<u>ACUTE TESTING:</u>					
81-1 - Oral LD50 - Rat	TGAI	ABCDEFGHI	Yes	00061102	No
81-2 - Dermal LD50	TGAI	ABCDEFGHI	Yes	00061102 05002272 00116411	No
81-3 - Inhalation LC50 - Rat	TGAI	ABCDEFGHI	Yes	00061102	No
81-7 - Acute Delayed Neurotoxicity - Hen	TGAI	NA	NA		
<u>SUBCHRONIC TESTING:</u>					
82-1 - 90-Day Feeding- Rodent, Non-rodent	TGAI	ACE	Yes	00061102	No
82-2 - 21-Day Dermal	TGAI	H	Partially	GS0080-1073	No
82-3 - 90-Day Dermal	TGAI	NA	NA		
82-4 - 90-Day Inhalation Rat	TGAI	NA	NA		
82-5 - 90-Day Neurotoxicity- Hen/Mammal	TGAI	NA	NA		

1/ Composition: TGAI = Technical grade of the active ingredient.

2/ The use patterns are coded as follows: A=Terrestrial, Food Crop; B=Terrestrial, Non-Food; C=Aquatic, Food Crop; D=Aquatic, Non-Food; E=Greenhouse, Food Crop; F=Greenhouse, Non-Food; G=Forestry; H=Domestic Outdoor; I=Indoor.

3/ Data must be submitted no later than _____.

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§ 158.135 Toxicology (continued)				
<u>CHRONIC TESTING:</u>				
83-1 - Chronic Toxicity - 2 species: Rodent Non-rodent	TGAI ACE TGAI ACE	Yes Partially	00061102 00061102	No Yes ^{4/}
83-2 - Oncogenicity Study - 2 species: Rat and Mouse preferred	TGAI ACE	Yes	00061102 05004401 00080671 *	No
83-3 - Teratogenicity - 2 species	TGAI ACE	[Yes] 5/	**	[No] 5/
83-4 - Reproduction, 2-generation	TGAI ACE	Yes	00080874	No
<u>MUTAGENICITY TESTING</u>				
84-2 - Gene Mutation	TGAI ACE	Yes	***	No
84-2 - Chromosomal Aberration	TGAI ACE	Yes	****	No
84-2 - Other Mechanisms of Mutagenicity - DNA	TGAI ACE	Yes	*****	No

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§ 158.135 Toxicology (continued)				
<u>SPECIAL TESTING</u>				
85-1 - General Metabolism	PAI or PAIRA	ACE	Partially	Yes ^{6/}
			00015699	
			05004999	
			GS0080-1060	
			GS0080-1061	
			GS0080-1062	
			GS0080-1079	
			GS0080-1050	
			GS0080-1077	
85-2 - Domestic Animal Safety	Choice	HI	Yes	No
			00042411	
			00005130	

1/ Composition: TGA1 = Technical grade of the active ingredient; PAI = Pure active ingredient; PAIRA + Pure active ingredient, radiolabelled; Choice = Choice of several test substances determined on a case-by-case basis.

2/ The use patterns are coded as follows: A = Terrestrial, Food Crop; B = Terrestrial, Non-Food; C = Aquatic, Food Crop; D = Aquatic, Non-Food; E = Greenhouse, Food Crop; F = Greenhouse, Non-Food; G = Forestry; H = Domestic Outdoor; I = Indoor.

3/ Data must be submitted no later than _____.

4/ A one-year dog feeding study is required.

5/ An additional teratology study using the dog may be necessary and is dependent upon the results of additional metabolism data. (See discussion under "Teratogenicity").

6/ Additional metabolism data are identified which are necessary to determine relationship between the dog and other mammalian species (i.e. rat, monkey), including humans.

(See discussion under "Teratogenicity").

