

TOLERANCE TOXICOLOGY SUMMARY

CHEMICAL Carbaryl - Sevin
 1 Nophtyl methyl carbamate

STRUCTURE CN(C(=O)OC1=CC=C2C=CC=C12)C

PROPOSED TOLERANCES
 10.7PPM LMS/S

SPECIES AVERAGE NUMBER ANIMALS PER LEVEL	DURATION/ROUTE	SUBACUTE TOXICITY			LABORATORY LIT. REF/DATE
		EXPOSURE LEVELS	NEL	EFFECT AT LEL	
ORAL LD ₅₀ (Species) Rat 510 mg/kg (390-670)					
TERATOLOGY <i>Glacophy</i>					
Rat	14 days 8-16 day		300 mg/kg 375 mg/kg	no effect no effect	
NEUROTOXICITY					
CHRONIC TOXICITY AND ONCOGENICITY					
Mice	18 month		400 ppm	highest level	
Rat	2 year		200 ppm	" "	
dog	1 year		400 ppm	" "	
Mice	18 mos		14 ppm	" "	Compton 1961 Bierchies
REPRODUCTION STUDY					
Rat	3 generation		200 mg/kg	no effect	100 mg/kg/day toxic but not affect repr. Wt. 1973
OTHER					
dog teratol			3 mg/kg	teratol at 6-10 weeks	
Fluon teratol			20 mg	no effect	
OTHER TOLERANCES (PPM) CFR 180.169					

WHO ADI MAN

TB COMMENTS ON PROPOSED TOLERANCE

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Minimum

III

Oral LD50(M)=2.9(2.0-4.3) g/kg
Oral LD50(F)=1.6(0.96-2.6) g/kg

248837

Carbaryl.....10%
Inerts.....90%
(EPA Reg. No.
239-1513)

Site Oral LD50 - Rat
Neuron Environmental
Health Center
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Astro & Midway Streets
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OCAL 1997
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