

US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: May 15, 1979

SUBJECT: SAFROTIN 4EC Insecticide

Caswell#706A

EPA Reg. # ~~11253~~ 11273-EUP-14

FROM: William Dykstra, Ph.D
Toxicology Branch (TS-769)

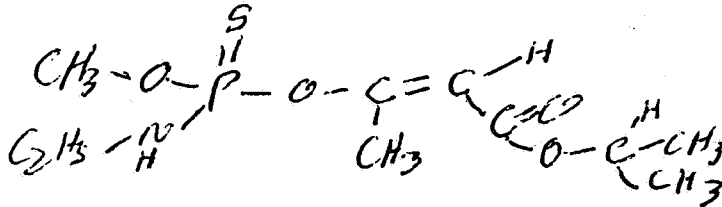
W.D.P. 5/15/79 WSW

TO: M. Mautz
Product Manager#16

Recommendations:

1. The EUP can be toxicologically supported.

Structure:



A. Total quantity proposed for use - 62.5 gallons (250 lb. A.I.) on 15,625 structural sites in 27 states.

B. Review (Previously reviewed and accepted data)

1. Sandoz Technical Bulletin on Safro tin 4EC Insecticide.

<u>Test</u>	<u>Species</u>	<u>Test</u>	<u>4EC</u>
Oral LD50	Rat	82.8 mg/kg	149.3 mg/kg
Dermal LD50	Rabbit	474.0 mg/kg	500.0 mg/kg
Primary eye	Rabbit	not an irritant	not an irritant
Primary skin	Rabbit	not an irritant	moderately irritating
Inhalation LC50		19,300 µg/L	>2000 ug/L
Subacute Toxicity	Rat	NOEL = 10 ppm;	
28-day Oral			
Teratology	Rabbit	not teratogenic at MTD.	
Delayed neuro-toxicity	Chicken	No neurotoxic response at 188.7 mg	

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