

BIB-448  
TXR-2114

Memorandum

002114

Date: 13 July 1982

Subject: EPA Reg. No. 16-133 - DRAGON THIODAN VEGETABLE AND ORNAMENTAL DUST  
Caswell #420

From: B. T. Backus  
IRB/TSS

To: Mr. George LaRocca  
Product Manager 15

Registrant: Dragon Chemical Corp.  
P.O. Box 7311  
Roanoke, VA 24019

Active Ingredient:

Endosulfan.....3%

Inert Ingredients:.....97%

Background:

Product was tested at an oral dosage level of 1.5 gm/kg to determine whether or not child-resistant packaging is required.

Comments and Recommendations:

1. The oral LD50 study received is acceptable to show that this product requires child-resistant packaging.
2. Endosulfan is known to be more toxic to female rats than to male rats by the oral route (see, for example, Guidelines for the Control of Insect and Mite Pests of Foods, Fibers, Feeds, Ornamentals, Livestock, and Households, published by USDA; on p. 12 the oral LD50 in male rats is given as 43 mg/kg, and that for female rats is given as 18 mg/kg).
3. No revisions appear to be necessary in the last-accepted precautionary and statement of practical treatment labeling.

Review:

The following study was conducted on the registered product at Raltech, Inc. P.O. Box 7545, Madison, WI 53707. Study was received at EPA 6-23-82, and is in Acc. 247804.

1. Acute Oral LD50 - Rat. RT Lab No. 957991; reported 6-11-82.

Procedure: 5M, 5F rats received an oral dosage of 1.5 g/kg, with subsequent 14-day observation.

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Results: All males survived, all females died within 4 hrs of dosage. Symptoms (seen in both sexes): hypoactivity, diarrhea, ataxia, hypothermia, convulsions. Oral LD50 (M) above 1500 mg/kg; oral LD50 (F) below 1500 mg/kg.

Study Classification: Core Supplementary Data.

Product Classification: (Presumably Tox. Cat. III).

*Byron T Backus 07/13/82*

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