

BC-770  
TR-211

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: February 10, 1982

002811

SUBJECT: EPA Registration No. 538-156  
Turf Builder Plus Halts For Western and Southern Lawns

FROM: Deloris F. Graham *D.F.G. 2/12/82*  
FHB/TSS *2/12/82*

TO: Robert Taylor  
Product Manager (25)

Applicant: O.M. Scotts and Sons Company  
Attn: Michael P. Kelty  
Marysville, Ohio 43041

Active Ingredients:

**S**-(0,0-Diisopropyl phosphorodithioate) ester of N-(2-mercaptoethyl) benzenesulfonamide..... 2.98%  
Inert Ingredients.....97.02%

Background: Submitted eye irritation data to support change in signal word from WARNING to CAUTION. Based on the eye irritation data originally reviewed by Byron F. Backus, July, 1979, the appropriate signal word was WARNING. The eye irritation data being submitted now is under accession number 246541. The study was conducted by WARF Institute. Alternate method of support.

Recommendation:

1. FHB/TSS finds this study acceptable to support change in signal word.
2. The appropriate signal word is CAUTION.

Label:

1. The statement "Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock." must be deleted from precautionary statements and placed under "Directions For Use."
2. The "Storage and Disposal" statement must appear in "Directions For Use."

Review:

1. Eye Irritation Study: WARF Institute; Study #8020765.

Procedure: 9 rabbits received a 0.1g of the test material in one eye each. Twenty seconds after instillation the eyes of three of the rabbits were washed. Observations made at 24, 48, 72 hours and 7 days.

Results: At 24 hours 1/6 animals of the unwashed group and 1/3 animals of washed group had corneal opacity (1/6=10) (1/3=5); 6/6 and 2/3 redness (1/6=1, 5/6=2) (2/3=2); 5/6 and 2/3 chemosis (3/6=1, 1/6=2) (1/3=1, 1/3=2); 4/6 and 1/3 discharge (1/6=1, 2/6=2, 1/6=3) (1/3=2). Sloughing of corneal epithelium observed.

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At 72 hours, 1/3 corneal opacity (1/3=20); 3/6 redness (1/6=1, 2/6=2); 2/6 chemosis (2/6=2).

At day 7, 1/6 had redness (1/6=2).

Study Classification: Core Guideline Data.

Toxicity Category: III - CAUTION

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PAGES 3 THROUGH 7 ARE NOT INCLUDED. THOSE PAGES CONSISTED OF  
DRAFT LABELING.