

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: May 20, 1981

SUBJECT: EPA File Symbol: 538-RAR  
Proturf Fungicide 7: Caswell #

862 AA

000795

FROM: Deloris F. Graham DFB  
FHB/TSS5/22/81  
E 5/22/81TO: Henry Jacoby  
Product Manager (21)Applicant: O. M. Scott & Sons  
Attention: Michael Keltz  
Marysville, Ohio 43041Active Ingredients:Triadimefon 1-(4-chloro-phenoxy)-3,3  
-dimethyl-1-(1,2,4-triazol-1-yl)-  
butan-2-one..... 0.59%Inert Ingredients:..... 99.41%

Background: Based on the Eye Irritation Study criteria effective March 31, 1981 in Policy and Criteria Notice #2161.2, O. M. Scott has submitted an amendment to change the signal word from WARNING to CAUTION, based on the re-evaluation of the Eye Irritation Study submitted in original review dated May 27, 1980. Revised "Hazards to Humans and Domestic Animals" precautionary statements were submitted.

Recommendation:

1. FHB/TSS, based on re-evaluation of the above mentioned eye study, concurs with the applicant that the appropriate signal <sup>word</sup> is CAUTION.
2. FHB/TSS also finds the revised precautionary statements acceptable.

Review:

1. Eye Irritation Study: Raltech Scientific Services, Inc.; Lab. #763204; January 17, 1980.

Procedure: Nine New Zealand white rabbits received 0.1 g of the test material in one eye. Six rabbits had unwashed eyes and three rabbits had washed eyes. Observations were made at 24, 48, 72, and 96 hours and at 7 days after treatment. Body weights were recorded.

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Results: 5/6 unwashed eyes had corneal opacity ( $5/6 = 5$ ,  $1/6 = 10$ ,  $1/6 = 43.75$ ,  $1/6 = 50$ ) and iris irritation ( $5/6 = 5$ ), on day 1. Corneal opacity persisted through 72 hours and iris irritation through day 4. Conjunctival redness and chemosis persisted through day 4, but discharge had subsided by day 4. On day 7, all unwashed eyes had no corneal opacity or irritation.

In washed eyes at 24 hours, no corneal opacity,  $1/6$  had iris irritation ( $1/6 = 5$ );  $3/6$  had conjunctival redness ( $3/6 = 1$ ). All scores were zero at day 7.

Study Classification: Core Guideline Data

Toxicity Category: III-CAUTION

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