

DD-1608
TXR-1195

April 16, 1981

Proturf Broad Spectrum Fungicide
EPA Reg. No. 538-27

001195

Sherell A. Sterling
FHB/TSS *sdh* *4/23/81*

Henry Jacoby
Product Manager (21)

Registrant: O. M. Scott & Sons Company
Attn: Michael P. Kelty
Marysville, OH 43041

Active Ingredients:

Phenylmercuric acetate.....	0.69%
Thiram.....	4.65%
Inert Ingredients.....	94.66%

Background:

New eye irritation data were submitted for this product. The application was submitted to change the signal word from CAUTION to WARNING. "Alternate" is the method of support.

The study was conducted by Raltech Scientific Services of Madison, Wisconsin. The substance identified as "F-96" is Proturf Broad Spectrum Fungicide.

Recommendations:

1. Based on the Eye Irritation study submitted, the appropriate signal word is CAUTION. Please note that this categorization is based on the change in method of categorizing eye irritation approved March 31, 1981.
2. Please note the following necessary labeling revisions. Labeling for parameters other than eye irritation is based on the latest accepted labeling (12-1-76); no additional data were consulted.

Labeling Recommendations:

1. Under the "Hazards to Humans and Domestic Animals" section, the following revisions are necessary:

CAUTION. Causes eye injury. Avoid contact with eyes, skin or clothing. In case of contact, immediately wash eyes or skin with plenty of water. Get medical attention if irritation persists. Harmful if swallowed. Avoid inhalation.

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The statement "Do not contaminate feed or foodstuffs" should be included as a general restriction under the "Directions for Use."

2. Under the "Environmental Hazards" section, the following revisions are necessary:
 - (a) "Keep out of any body of water" must be revised to "Do not apply directly to water."
 - (b) Add the statement "Do not contaminate water by cleaning of equipment or disposal of wastes."
3. The "Storage and Disposal" statements must be revised according to the enclosed storage and disposal information sheets.

Review:

1. Primary Eye Irritation: Raltech #807773; November 6, 1980; not accessioned.

Procedure:

9 New Zealand white rabbits each received 0.1g of "Proturf Broad Spectrum Fungicide." Three eyes were washed for one minute with lukewarm water starting 30 seconds post-treatment. Draize scoring at 24, 48, 72, 96 hours, 7, 14 days.

Results:

At 24 hours in the unwashed eyes, corneal opacity observed in 4/6=5, 1/6=11.25; 4/6 with epithelial peeling; iris irritation in 6/6=5 and injected; redness in 1/6=2.0, 2/6=2.5, 3/6=3.0; chemosis in 1/6=1.5, 1/6=2.0, 3/6=3.0, 1/6=3.5; discharge in 1/6=1.0, 1/6=2.0, 4/6=3.0, all with purulent discharge. At 7 days unwashed eyes exhibited no corneal opacity, 2/6 with pannus, 1/6 with corneal neovascularization; iris irritation in 2/6=5 and injected, redness in 2/6=1.0, 3/6=1.5; chemosis in 1/6=1; discharge in 2/6=1.0. All scores are zero.

Washed eyes at 24 hours showed no corneal opacity; iris irritation in 1/3=1 and injected; redness in 2/3=2.0; 1/3=2.5; chemosis in 2/3=1, 1/3=1.5; purulent discharge in 1/3=1.5. By 7 days, all scores were zero.

Toxicity Category:

III - CAUTION. Irritation clearing at 7 days.

Study Classification:

Core Guidelines Data.

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Phenylmercuric acetate toxicology review

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Pages _____ through _____ are not included in this copy.

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