

BD-774
TXR-3138

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: January 21, 1982
SUBJECT: EPA Registration Number 538-28
Turf Builder Plus 2

003138

FROM: Deloris F. Graham *D.F.G. 1/25/82*
FHB/TSS *E 1/25/82*

TO: Richard Mountfort
Product Manager (23)

Applicant: O. M. Scott & Sons Company
Marysville, OH 43041
Attention: Michael P. Kelty

Active Ingredients:
2,4-Dichlorophenoxyacetic acid 0.99%
2-(2-Methyl-4-chlorophenoxy)propionic acid 0.99%
Inert Ingredients 98.02%

Background

Submitted two Eye Irritation Studies to support change in signal word from "WARNING" to "CAUTION." Alternate method of support. Data under accession number 246437.

Recommendation

- (1) FHB/TSS finds these studies acceptable to support conditional registration of this product.
- (2) Based on the Eye Irritation Studies submitted, the appropriate signal word is "CAUTION."

Label

- (1) The statements "Do not contaminate feed or foodstuffs. Do not graze treated areas. Do not feed clippings to livestock" must be deleted from precautionary statement and placed under "Directions for Use."
- (2) The statement "Do not contaminate water used for irrigation or domestic purposes" must be deleted from precautionary statement and placed under "Environmental Hazards."

Review

- (1) Eye Irritation Study: Raltech Scientific Services, Inc.; Lab. No. 709040; January 15, 1979.

log 3

Procedure: Nine rabbits received 0.1 ml of the test material in one eye each. The eyes of three of the rabbits were washed for one minute, 30 second posttreatment. Observations made at 24, 48, and 72 hours and 7 days.

Results: At 24 hours, 6/6 animals of the unwashed group had corneal opacity (5/6=5, 1/6=10); 5/6 iris irritation (5/6=5); 6/6 conjunctive redness (1/6=1, 5/6=2); chemosis (3/6=1, 3/6=2); discharge (2/6=1, 4/6=2).

At 72 hours, 3/6 had corneal opacity (3/6=5); 4/6 redness (4/6=1); 2/6 chemosis (2/6=1). At day 7, corneal opacity and conjunctive irritation had cleared.

At 24 hours, in washed group 1/3 had corneal opacity (1/3=5); iris irritation (1/3=5); 3/3 redness (2/3=1, 1/3=2); chemosis (3/3=1); discharge (3/3=1). All irritation clear by 48 hours.

Study Classification: Core Guideline Data

Toxicity Category: III - CAUTION

- (2) Eye Irritation Study: WARF Institute; Study No. 7082554.

Procedure: Nine rabbits received 0.1 ml of the test material in one eye each. The eyes of three of the rabbits were washed for one minute, 20 seconds posttreatment. Observations made at 24, 48, and 72 hours.

Results: At 24 hours, no corneal opacity or conjunctive irritation present, and remained clear through 72 hours.

Study Classification: Core Guideline Data

Toxicity Category: IV - CAUTION

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Pages 3 through 8 are not included in this copy.

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