UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: September 14, 1981

SUBJECT: EPA File Symbol: 538-RTU
Proturf Fertilizer Plus Fungicide 7

002051

FROM: Deloris F. Graham DFG 9/16/81
FHB/TSS E 9/17/81

TO: Henry Jacoby
Product Manager (21)

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

Active Ingredient:
(1-(4-chlorophenoxy)-3,3-dimethyl-1-
(1H-1,2,4-triazol-1-yl)-2-butanone 0.62%
Inert Ingredient 99.38%

Background: Submitted an Acute Oral, Dermal, Eye Irritation and Skin Irritation Studies. These studies conducted by Raltech Scientific Services. Data under accession number 245482. Alternate method of support.

Recommendation:

(1) FHB/TSS finds these data acceptable to support conditional registration of this product.

(2) An Acute Inhalation Study was not submitted, and one must be submitted or a justification as to why this study is not necessary for this product.

(3) The appropriate signal word is CAUTION.

Label:

(1) The signal word CAUTION must appear on center front panel.

(2) The statement "Do not contaminate feed or foodstuffs" must be deleted from precautionary statements and placed under Directions For Use.

(3) The statement "Keep out of lakes, streams or ponds" must be revised to read "Do not apply directly to lakes, streams, or ponds."

Review

(1) Acute Oral Toxicity Study: Raltech Scientific Services; Rt lab #832648; January 29, 1981.

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Procedure: 5M and 5F Sprague - Dawley rats received a 5g/kg dose. Observations made at 1, 2.5, and 4 hours and daily for 14 days. Necropsy performed on all animals.

Results: No mortalities. Diarrhea only symptom observed. Necropsy revealed mild hydrometra in uterus and mildly reddened lungs. LD_{50} greater than 5 g/kg for males and females.

Study Classification: Core Guideline Data.

Toxicity Category: IV - CAUTION

(2) Acute Dermal Toxicity Study: Raltech Scientific Services; Rt lab # 832648; January 29, 1981.

Procedure: 5M and 5F rabbits received a 2g/kg dose at abraded skin sites. Treated areas placed under occlusive wrap for 24 hour exposure. Observations made at end of 24 hour exposure period, then twice daily for 14 days. Necropsy performed on all animals.

Results: No mortalities. Symptoms observed included erythema, edema, desquamation, fissuring, soft stool. Symptoms reversed by day 10 except desquamation, which was still present at day 14 in one animal. Diarrhia present at day 14. Necropsy revealed lungs mildly reddened. LD_{50} greater than 2g/kg.

Study Classification: Core Guideline Data.

Toxicity Category: III- CAUTION

(3) Eye Irritation Study: Raltech Scientific Services; Rt lab. #832648; January 22, 1981.

Procedure: Nine (9) New Zealand rabbits received a 0.1 ml of the test substance in one eye each. The treated eyes of six of the animals remained unwashed while the treated eye of the remaining three animals were washed 30 seconds after instillation. Observations made at 24, 48, 72 and 96 hours and at 7 days.

Results: In the unwashed group at 24 hours, no corneal opacity or iris irritation; 6/6 conjunctive redness (2/6 =1.5, 4/6=2) chemosis (4/6=1.0, 2/6 = 1.5) and 1/6 purulent discharge (1/6=1). At day 4, 6/6 conjunctive redness (2/6 = 0.5, 4/6=1.0). At day 7, all irritation clear.

In washed group at 24 hours, 2/3 corneal opacity (1/3 = 3.75, 1/3 = 5); iris irritation (2/3=5); 3/3 conjunctive redness (3/3 = 2.5) chemosis (3/3 = 2.0), and 2/3 discharge (1/3=0.5, 1/3=1.5). Corneal opacity and iris irritation clear by 48 hour. Chemosis and discharge clear by 48 hours. Redness clear by 7 days.

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Study Classification: Core Guideline Data.

Toxicity Category: III - CAUTION

(4) Primary Dermal Irritation Study: Raltech Scientific Services; Rt lab# 832648; Jan. 18, 1981.

Procedure: 3M and 3F New Zealand white rabbits 2 abraded and 2 intact skin sites. Treated areas placed under occulsive wrap for 24 hours exposure. Observations made at end of 24 hours exposure and at 72 hours.

Results: Slight erythema at abraded and intact skin sites. No edema. At 72 hours slight erythema in 3/6 animals. Primary Irritation Score was 0.6.

Study Classification: Core Guideline Data.

Toxicity category: IV - CAUTION

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TRIADIMEFON TOX REVIEWS

Page_____ is not included in this copy.

Pages 4 through 8 are not included.

The material not included contains the following type of information:

____ Identity of product inert ingredients.

____ Identity of product impurities.

____ Description of the product manufacturing process.

____ Description of quality control procedures.

____ Identity of the source of product ingredients.

____ Sales or other commercial/financial information.

__✓__ A draft product label.

____ The product confidential statement of formula.

____ Information about a pending registration action.

____ FIFRA registration data.

____ The document is a duplicate of page(s) _____.

____ The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
