

US EPA ARCHIVE DOCUMENT

005068

Date: March 9, 1983

Subject: EPA File Symbol: 538-R1E
Fertilizer Plus Lawn Disease

From: Delois J. Straker
FHB/188 E 3/10/83

To: Henry Jacoby
Product Manager (21)

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Applicant: O. M. Scott and Sons
Mayfield, Ohio 43041

Active Ingredient:
~~3-(3,5-dichlorophenyl)-O-(1-methylbutyl)-
-2,4-dioxo-1-imidazolidinonecarboxamide~~
Inert Ingredients 98%

4705

Background: Submitted Acute, Oral, Acute Dermal, Eye Irritation, and Skin Irritation studies. Studies conducted by Cosmopolitan Safety Evaluation, Inc. Data under accession number 24928. Alternate method of support

Recommendation:

(1) FHB/188 finds these data acceptable to support conditional registration of this product.

(2) An Acute Inhalation Study was not submitted and one must be submitted and/or cited.

(3) The appropriate signal word is CAUTION

17/4

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Label:

- (1) The statement "Do not contaminate feed or food stuffs" must be deleted from precaution statements and placed under the heading "Directions For Use".
- (2) The Storage and Disposal statement must appear in the "Directions For Use" section.

Research:

(1) Acute Oral Toxicity Study: Cosmopolitan Safety Evaluation; C.S.E. #54001-18; February 11, 1982.

Procedure: Five male and five female Sprague-Dawley rats received a 5.0g/kg dose of the test material orally. Observations made frequently for five hours and then twice daily for fourteen days after treatment. Necropsy performed on all animals.

Results: No mortality. No clinical signs observed. No abnormalities at necropsy. $LD50$ greater than 5.0g/kg.

Study Classification: Core Guideline Data

Toxicity Category: IV - CAUTION

(2) Acute Dermal Toxicity Study: Cosmopolitan Safety Evaluation; C.S.E. #54001-1A; February 14, 1982.

Procedure: Five male and five female New Zealand rabbits received 2.0g/kg of the test material at abraded skin sites under occlusive wrap for 24 hour exposure. Observations were made frequently and dosing and daily for 14 days thereafter. Necropsy performed on all animals.

Results: No mortalities. No clinical signs noted. Erythema and edema noted. No abnormalities at necropsy. LD50 greater than 2g/kg.

Study Classification: Cosmopolitan Safety Data

Toxicity Category: III - CAUTION

(3) Eye Irritation Study: Cosmopolitan Safety Evaluation; C.S.E. #54001-B; February 7, 1982.

Procedure: Nine New Zealand rabbits received 0.1g of the test material in one eye each. Irritated eyes of three of the rabbits were watched. Observations were made at 24, 48 and 72 hours and 4 and 7 days after dosing.

Results: At 24 hours no corneal opacity, iris irritation or chemosis present; 5/9 and 1/3 had conjunctive redness (6/9 and 1/3) and 1/3 discharge (6/9). Redness and discharge had cleared by 48 hours.

Study Classification: Cosmopolitan Safety Data

Toxicity Category: III - CAUTION

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(4) Primary Dermal Irritation Study: Cosmopolitan Soap Evaluation; C.S.E. #54001-1A; February 1, 1980.

Procedure: Six rabbits received 0.5g of the test material at two intact and two abraded skin sites per animal under occlusive wrap for 24 hour exposure. Observations were made after 24 hours exposure and at 72 hours post-treatment.

Results: At 24 Hours, 4/6 had erythema (4/6=1) and 3/6 edema (3/6=1). At 72 hours, 4/6 had erythema (4/6=1). Primary dermal score was 0.8.

Study Classification: Cosmopolitan Soap.

Toxicity Category: IV - CAUTION

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Page _____ is not included in this copy.

Pages 5 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.
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BACK CONTINUED:

005068

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XXXX

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XXX (Scotts (R)) Fertilizer plus
Lawn Disease
Preventer

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