

US EPA ARCHIVE DOCUMENT

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

006247

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

APR 13 1987

MEMORANDUM

SUBJECT: EPA File Symbol 2792-LL  
Peach, Nectarine, Plum Lustr 274

FROM: Deloris F. Graham *DJD 4/20/87*  
Technical Support Section  
Fungicide-Herbicide Branch  
Registration Division (TS-767C) *E 4/20/87*

TO: Lois A. Rossi, Acting PM 21  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

APPLICANT: Pennwalt Corporation  
Decco-Tiltbelt Division  
1713 South California Avenue  
Monrovia, CA 91016-0120

ACTIVE INGREDIENTS:

2,6-dichloro-4-nitroaniline . . . . .	2.1%
Benomyl (methyl-1-(butylcarbamoyl)- 2-benzimidazolecarbamate) . . . . .	0.7%
INERT INGREDIENTS: . . . . .	97.2%

BACKGROUND:

Submitted Acute Oral, Acute Dermal, Eye Irritation, and Skin Irritation Studies to support conditional registration of this product. Studies conducted by Applied Biological Sciences Laboratory. Data under Accession Number 264871. Method of support not indicated.

RECOMMENDATIONS:

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

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2. Acute Inhalation and Dermal Sensitization Studies were not submitted. These studies must be submitted and/or data to support waiver.
3. Based on the Skin Irritation Study the appropriate signal word is DANGER.

LABEL:

1. The signal word "DANGER" must appear on center front panel of label.
2. The precautionary statements must be revised to include "DANGER. Causes skin damage. If on skin, wash with plenty of soap and water. Get medical attention immediately."
3. Additional labeling may be necessary upon submission of Acute Inhalation and Dermal Sensitization Studies.

REVIEW:

- (1) Acute Oral Toxicity Study: Applied Biological Sciences Lab.; Lab. No. 16557; October 16, 1980.

PROCEDURE:

Five male and five female rats were dosed with a single 5 g/kg dose orally. Observations made for 14 days postdosing. Necropsy performed on all animals.

RESULTS:

No mortalities or toxic signs reported. Necropsy report revealed pelvic area of the kidneys dark. LD<sub>50</sub> reported to be greater than 5 g/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: IV - CAUTION.

- (2) Acute Dermal Toxicity Study: Applied Biological Sciences Lab.; Lab. No. 16557; October 16, 1980.

PROCEDURE:

Five male and five female rabbits with abraded skin sites each received a single 2 g/kg dose dermally. Treated sites were placed under occlusive wrap for 24-hour exposure period.

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Observations made for 2 weeks postdosing. Necropsy performed on all animals.

RESULTS:

No mortalities reported. Flaking of the epithelial layers, cracking, fissuring, moderate erythema, slightly lethargic animals were toxic signs reported. Necropsy report noted flaking of epithelial layers in all animals. LD50 reported to be greater than 2 g/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: III - CAUTION.

(3) Eye Irritation Study: Applied Biological Sciences Lab.;  
Lab. No. 16557; October 15, 1980.

PROCEDURE:

Nine rabbits received 0.1 ml of the test material in one eye each. The treated eyes of three of the rabbits were washed for 1 minute with lukewarm water 20 to 30 seconds after treatment. Observations made for 7 days posttreatment.

RESULTS:

At 24 hours, 5/6 rabbits of the unwashed group and 2/3 of the washed had conjunctive redness (5/6 = 1) (2/3 = 1). Redness had cleared in washed and unwashed group by 72 hours post-treatment.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: III - CAUTION.

(4) Skin Irritation Study: Applied Biological Sciences Lab.;  
Lab. No. 16557; October 14, 1980.

PROCEDURE:

Six rabbits with two abraded and two intact skin sites each were treated with 0.5 ml of the test material under occlusive wrap for 24-hour exposure. Observations made for 72 hours posttreatment.

RESULTS:

At 24 hours posttreatment, 6/6 rabbits had well-defined erythema (6/6 = 2) and 5/6 slight to well-defined edema

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(2/6 = 1, 3/6 = 2). At 72 hours 6/6 well-defined to severe erythema (2/6 = 2, 4/6 = 4) and no edema. Irritation Index reported to be 3.3. Cracking and fissuring reported at 72 hours.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: I - DANGER.

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Benomyl toxicology reviews

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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 product 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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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.

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