MEMORANDUM

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

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

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.
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:


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. LD50 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.
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.


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 posttreatment.

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.
(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.
Benomyl toxicology reviews

Page ____ is not included in this copy.
Pages 5 through 6 are not included in this copy.

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
X ___ 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.