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

006106

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

JUN 23 1986

MEMORANDUM

SUBJECT: EPA Registration Number 2217-566
Trimec DMB# Herbicide

FROM: Deloris F. Graham DFG 7/7/86 CG 7/7/86
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

TO: Richard F. Mountfort, PM 23
Fungicide-Herbicide Branch
Registration Division (TS-767C)

APPLICANT: PBI/Gordon
1217 West 12th Street
P.O. Box 4090
Kansas City, MO 64101

ACTIVE INGREDIENTS:

2,4-Dichlorophenoxyacetic acid	45.59%
2-(2-methyl-4-chlorophenoxy)propionic acid	20.40%
Dicamba (3,6-dichloro-o-anisic acid)	4.30%
INERT INGREDIENTS:	29.71%

BACKGROUND:

Submitted Acute Oral, Acute Dermal, and Primary Skin Irritation Studies under Agency code "400" (miscellaneous data). Study conducted by Midwest Research Institute. Data under Accession Number 252564. Method of support not indicated.

RECOMMENDATIONS:

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

2. The appropriate toxicity category for Acute Oral is III - CAUTION; Acute Dermal is III - CAUTION; Primary Skin is IV - CAUTION.

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LABEL: No additional labeling required.

REVIEW:

(1) Acute Oral Toxicity Study: Midwest Research Institute; MRI Project No. 7819-E(2); December 12, 1983.

PROCEDURE:

Five groups consisting of five male and five female rats each received one of the following: 0.0 (vehicle control); 315, 500, 793.8 or 1260 mg/kg. Observations made for 14 days postdosing. Necropsy performed on all animals.

RESULTS:

At 793.8 mg/kg, 3/5 M and 5/5 F died; at 1260 mg/kg, 5/5 M and 5/5 F died. Toxic signs reported included lethargy, decreased activity, moribundity, rough hair coat. Necropsy report indicated reddened intestines in four animals and reddened stomach in one. LD_{50} reported to be 720.4 mg/kg with 95 percent confidence limits between 582.3 and 891.3 mg/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: III - CAUTION.

(2) Acute Dermal Toxicity Study: Midwest Research Institute; MRI Project No. 7819-E(3); December 12, 1983.

PROCEDURE:

Five male and five female rabbits with abraded skin sites each received a single 2.0 g/kg dose dermally under occlusive wrap for 24-hour exposure period. Observations made for 14 days posttreatment. Necropsy performed on all animals.

RESULTS:

No mortalities or toxic signs reported. Pale lumps covering lungs indicated in necropsy report. However, it was also reported that these lumps were not considered compound-related. LD_{50} reported to be greater than 2 g/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: III - CAUTION.

(3) Primary Skin Irritation Study: Midwest Research Institute; MRL Project No. 7819-E(3); December 12, 1983.

PROCEDURE:

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

RESULTS:

No irritation reported. Primary Irritation Score reported to be zero.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: IV - CAUTION.

MCPP Toxicology review

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Pages _____ through _____ 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.