2-15-86

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

006261

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

FEB 07 1986

MEMORANDUM

SUBJECT: EPA File Symbol 38167-R
Prowl Herbicide + Propanil

FROM: Deloris F. Graham DGH 2/15/86
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

TO: Robert J. Taylor, PM 25
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Applicant: Setre Chemical Company
Suite 3200 - Clark Tower
5100 Poplar Avenue
Memphis, TN 38137

ACTIVE INGREDIENT:

3,5 3',4'-dichloropropionanilide	33.70%
1,5 Pendimethalin: N-(1-Ethylpropyl)-3, 4-dimethyl-2,6-dinitrobenzenamine	11.25%
INERT INGREDIENTS	55.05%

BACKGROUND:

Submitted Dermal Sensitization and Primary Skin Irritation Studies to fulfill acute toxicity data requirements. Studies conducted by Stillmeadow, Inc. Data under Accession Numbers: 257860 and 256635. Method of support not indicated.

RECOMMENDATION:

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

(2) An amendment including a corrections sheet for Primary Skin Irritation Study originally reviewed March 19, 1985 was submitted supplying explanations of symbols used,

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which indicated yellow discoloration of test site hairs by material, cracking of skin and eschar formation. See original review.

LABELING:

Precautionary statements must be revised to include "May cause allergic skin reaction."

REVIEW:

(1) Skin Sensitization Study: Stillmeadow, Inc.; Project No. 3610-85; April 9, 1985.

PROCEDURE:

Two groups consisting of ten male and ten female rats were treated with one of the following substances: test material (50% v/v) or 2,4-dinitrochlorobenzene (positive control) 0.05% w/v. Group I, positive control treated animals, and Group II, test material treated animals received an initial 0.5 ml application of the appropriate and then three times a week for 3 weeks totaling 10 induction phase applications. Two weeks after the tenth induction phase application a challenge dose was administered with the addition of a second test site. Observation made at 24 and 48 hours after each application.

RESULTS:

Slight to well-defined erythema beginning at 2nd application during induction phase and increasing to moderate erythema in some animals by 10th application of test material. Slight to well-defined edema beginning at 3rd application of induction phase and increasing in severity to moderate edema by 5th application. By 6th application eschar formation noted. At 24 hours after challenge dose, slight to moderate edema and slight to severe edema with eschar formation reported. On second test site (virgin site) no irritation noted at challenge.

Slight erythema noted by 2nd application of positive control material increasing in severity to moderate erythema by 8th application during induction phase. Slight to well-defined edema with eschar formation beginning at 4th application and increasing in severity to moderate edema by 5th application during induction phase. At 24 hours after challenge dose

slight to moderate erythema and slight to severe edema with eschar formation reported at original test and slight to well-defined erythema and edema at virgin test site.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: Sensitizing.

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Page_____ is not included in this copy.

Pages 4 through 5 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.

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.