

US EPA ARCHIVE DOCUMENT



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

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OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

SEP 29 1987

MEMORANDUM

SUBJECT: EPA File Symbol 707-EUP-RRG  
Rally 60 DF Fungicide

FROM: Deloris F. Graham *DJH 10/5/87*  
Technical Support Section  
Fungicide-Herbicide Branch  
Registration Division (TS-767C)

*E 10/5/87*

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

APPLICANT: Rohm and Haas Company  
Independence Mall West  
Philadelphia, PA 19105

ACTIVE INGREDIENT:

a-butyl-a-(4-chlorophenyl)-1H-1,2,4-  
triazole-1-propanenitrile . . . . .

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INERT INGREDIENTS: . . . . .

40%  
60%

BACKGROUND:

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According to a letter from the company dated September 15, 1987, they are submitting a Rabbit Skin Irritation Study and a Dermal Sensitization Study as requested by the Agency based on a Toxicology Branch review dated January 13, 1987. Studies conducted by Rohm and Haas Company and Hazleton Laboratories America, Inc. Data under EPA MRID Nos. 403432-01 and -02. Method of support not indicated.

RECOMMENDATION:

1. FHB/TSS finds these two studies acceptable to support conditional registration of this product.
2. The product is not considered a skin sensitizer.

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3. The appropriate toxicity category for the Skin Irritation Study is IV - CAUTION.

LABEL:

No precautionary labeling required in regard to hazard via primary skin irritation or dermal sensitization.

REVIEW:

- (1) Skin Irritation Study. Rohm and Haas Company; Report No. 87R-083; August 28, 1987; EPA MRID No. 403432-01.

PROCEDURE:

Six rabbits with intact skin sites each received 0.5 g of the test material mixed with 0.5 ml of 0.85% saline to form a paste. Treated sites placed under occlusive wrap for 4 hour exposure period. Observations were made for 7 days posttreatment.

RESULTS:

No irritation reported during 7 day observation period.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: IV - CAUTION

- (2) Dermal Sensitization Study: Hazleton Laboratories; Project ID. HLA-417-424; August 26, 1987; EPA MRID No. 403432-02.

PROCEDURE:

Three groups consisting of an equal number of male and female guinea pigs were treated with one of the following substances: test material (20M + 20F); 1-chloro-2,4-dinitrobenzene (DNCB) at a 0.1% w/v concentration in 80% v/v aqueous ethanol (10M + 10F); sham control (10M + 10F). Each group received 3, 0.4 ml doses a week for 3.5 weeks of the appropriate material using the patch method. Twelve days following the last induction phase application a challenge dose of 0.4 ml of a 50% test material in distilled water was applied in the test group and 0.1% DNCB in acetone applied to

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positive control group. Sham control group was treated at challenge with test material and DNCB. Observations made for 24 and 48 hours after each application.

RESULTS:

No irritation reported in test group animals during induction phase. Only + irritation at challenge in test group and sham control group.

Slight irritation reported in DNCB (positive control) group during induction phase. Slight to well defined irritation reported at challenge in treated group and + irritation in sham control.

It is concluded that no sensitization reaction was produced by test material. DNCB did produced a sensitization response.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: Non-sensitizing

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