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

004671

MEMORANDUM

Date: December 15, 1982

Subject: EPA File Symbol 34913-RA  
Sprakill SK-26 Granular Weed Killer

From: Deloris F. Graham *DFG 12/20/82*  
FHB/TSS *E 12/20/82*

To: Robert Taylor  
Product Manager (25)

Applicant: SSI Industries, Inc.  
P.O. Box 9276  
4711 Piedmont Road  
Huntington, WV 25704

Active Ingredient:

*Caswell file # 366AA*  
Telrathiuron 1-(5-tert-butyl-1,3,4-thiadiazol  
-2-yl)-1,3-dimethylurea..... 2.0%  
# 410 - Diuron 3-(3,4-dichlorophenyl)-1,  
1 dimethylurea..... 6.0%  
Inert Ingredients.....92.0%

Background:

Submitted Acute Oral, Acute Dermal, Eye Irritation and Primary Dermal Irritation studies. Studies conducted by Hazleton Laboratories. Data under accession number 248931. Cite-All method of support.

Recommendation:

- (1) FHB/TSS finds these data acceptable to support conditional registration of this product.
- (2) An Acute Inhalation Study was not submitted.
- (3) The appropriate signal word is CAUTION.

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Label:

- (1) The statement "Keep out of lakes, streams and ponds" must be revised to read "Do not apply directly to water."
- (2) The statement "Harmful if absorbed through skin" must be added to precautionary statements.

Review:

- (1) Acute Oral Toxicity Study: Hazleton Laboratories; Project #2214-100; November 22, 1982.

Procedure: Five male and five female Sprague-Dawley rats weighing between 200 and 220 grams received a single oral dose of 5000 mg/kg of the test material. Observations made at 1, 2, and 4 hours after dosing and twice daily thereafter for 14 days. Necropsy performed on all animals.

Results: No Mortalities. Toxic signs included depression, rough haircoats, red stains on nose and/or eyes, urine stains. All animals were back to normal by day 3. No abnormalities noted at necropsy. LD<sub>50</sub> greater than 5000 mg/kg.

Study Classification: Core Guideline Data.

Toxicity Category: IV-CAUTION

- (2) Acute Dermal Toxicity Study: Hazleton Laboratories; Project #2214-101; November 22, 1982.

Procedure: Five M and five F New Zealand rabbits received 2000 mg/kg of the test material at intact skin sites under occlusive wrap for 24 hour exposure. Observations made at 1 and 4 hours postdosing and twice daily thereafter for 14 days. Necropsy performed on all animals.

Results: No mortalities. No toxic effects or dermal irritation noted. No abnormalities at necropsy. LD<sub>50</sub> greater than 2000 mg/kg.

Study Classification: Core Guideline Data.

Toxicity Category: III-CAUTION

- (3) Eye Irritation Study: Hazleton Laboratories; Project # 2214-102; November 8, 1982.

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Procedure: Six New Zealand rabbits received 0.1 g of the test material in one eye each. Observations made at 1, 24, 48 and 72 hours.

Results: No corneal opacity or iris irritation at 24 hours, 4/6 conjunctive redness (4/6 = 1). Redness had cleared at 48 hours post-treatment.

Study Classification: Core Minimum Data. Nine animals, 16 with treated unwashed eyes and 3 with treated washed eyes, must be used.

Toxicity Category: III-CAUTION

- (4) Primary Dermal Irritation Study: Hazleton Laboratories; Project #2214-103; November 10, 1982.

Procedure: Six New Zealand rabbits received 0.5 g of the test material at intact skin sites under occlusive wrap for four hour exposure. Observations made at 4, 24, 48 and 72 hours post-exposure.

Results: No erythema or edema or any other dermal effect noted.

Study Classification: Core Minimum Data. Four skin sites (2 abraded and 2 intact) per animal must be used.

Toxicity Category: IV-CAUTION

DIURON SCIENTIFIC 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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