

005067

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Date: March 10, 1983

Subject: EPA Registration Number: 11546-2
1-Naphthalene Acetic AcidFrom: Delius J. Graham
JHG/jkl E 3/10/83To: Robert Taylor
Product Manager (25)Applicant: Greenwood Chemical Company
P.O. Box 26
Greenwood, VA 22943

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Active Ingredients:1-Naphthalene Acetic Acid 98.5%
Inert Ingredients 1.5%Background: Submitted Acute Dermal, Eye Irritation and Skin Irritation studies in compliance with the 1-Naphthalene Acetic Acid Registration Standard to fulfill data gaps. Data under accession numbers: 249401, 249320, 249319. Method of support not indicated. Studies conducted by Bionay Systems Corporation.Recommendations:

(1) JHG/jkl finds these studies acceptable to support conditional registration of this product.

(2) ~~the~~ Acute Oral, Acute Inhalation, and Dermal Irritation studies were not submitted and these studies must be submitted and/or cited.

(JHG)

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Label:

(1) Labeling comments reserved until previously mentioned data has been submitted and be cited.

Review:

(1) Acute Dermal Toxicity Study: Bioassay Systems Corp., Report # 11480, Jan. 24, 1983; EPA Accession # 249981.

Procedure: Five male and five female rabbits received 2g/kg of the test material at abraded skin sites under occlusive wraps for 24 hour exposure. Observations made frequently on day of dosing and twice daily thereafter for 14 days. Necropsy performed on all animals.

Results: No mortalities. Three male rabbits showed no feces in the cage on the morning of day 3, few feces that afternoon and normal excretion on day 4. No other signs of toxicity noted. No abnormalities at necropsy. LD50 greater than 2g/kg.

Study Classification: Core Guideline Data.

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Toxicity Category: II - CAUTION

(2) Eye Irritation Study: Bioassay Systems Corp.;
Project # 11480; January 10, 1983; EPA Acc. # 249320.

Procedure: Nine rabbits received a 0.1g of the test material in one eye each. The treated eyes of three of the rabbits were washed 20-30 seconds after treatment. Observations made at 24, 48 and 72 hours after treatment and at 4 and 7 days. On day 7, irritation was present thus observations were made continued through day 14.

Results: At 24 hours, 5/6 animals of the unnailed group and 2/3 of the washed group had corneal opacity (5/6=20) (2/3=20); 3/6 + 1/3 iris irritation (3/6=5) (1/3=5); 4/6 + 3/3 hyperemia (4/6=1, 3/6=2) (3/3=1, 3/3=2); chemosis (3/6=1, 3/6=2, 3/6=3) and discharge (3/6=1, 3/6=2, 3/6=3) (1/3=1, 1/3=2, 1/3=3).

At 7 days, 4/6 had corneal opacity (3/6=20, 3/6=40) 3/6 iris irritation (3/6=5); 3/6 hyperemia (3/6=1) 4/6 chemosis (4/6=1) and 3/6 discharge (3/6=1). All irritation and opacity had cleared in 3/3 animals of the washed group.

at day 16, All opacity and irritation in unnailed group had cleared.

Study Classification: Case Study/Outline Data

Toxicity Category: II - WARNING

(3) Primary Dermal Irritation Study: Bioassay Systems Corp.; Project # 11480; Jan. 10, 1983; EPA Acc. # 249310.

Procedure

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Procedure: Six rabbits received 0.5g of the test material at two abraded and two intact skin sites proximal under occlusive wrap for 24 hour exposure. Observations were made at 24 and 72 hours after treatment.

Results: At 24 hours, 5/6 had edema (5/6=1) and no erythema present. At 72 hours, no edema present. Primary irritation score was 0.38.

Study Classification: Core Guideline Data

Toxicity Category: III - CAUTION.

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1-NAPHTHALENE ACETIC ACID

ACTIVE INGREDIENT:

1-NAPHTHALENE ACETIC ACID	98.5%
INERT INGREDIENTS	1.5%
TOTAL 100.0%	

USDA REG. NO. 11546-2 NET WEIGHT _____

CAUTION: KEEP OUT OF REACH OF CHILDREN.

MAY CAUSE IRRITATION OF NOSE, THROAT AND MAY BE HARMFUL IF INHALED OR SWALLOWED. DO NOT BREATHE DUST. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM FEED OR FOOD PRODUCTS. DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

DIRECTIONS FOR USE: FOR MANUFACTURING, REFORMULATING, OR COMPOUNDING USE ONLY.

Manufactured By:

GREENWOOD CHEMICAL COMPANY
GREENWOOD, VIRGINIA 22943

ACCEPTED

Aug 26 1971

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTRATION
ED UNDER NO. 11546-2 SUBJECT
TO ATTACHED COMMENTS

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