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

006057

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES
MAY 16 1986

MEMORANDUM

SUBJECT: EPA File Symbol 39702-G
Muralo Lumber Jacket Stain & Wood Preservative

FROM: Deloris F. Graham DFG 5/27/86
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

E 5/27/86

TO: Henry M. Jacoby, PM 21
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Applicant: The Muralo Company, Inc.
148 East 5th Street
Bayonne, NJ 07002

Active Ingredients:
Bis(tribulyltin)Oxide . . . . . 0.3%
Folpet N-(Trichloromethyl)
Thiophthalimide . . . . . 0.7%
Inert Ingredients: . . . . . 99.0%

Background:

Submitted Acute Oral, Acute Dermal, Acute Inhalation, Eye Irritation, and Primary Dermal Irritation Studies. Studies conducted by Food and Drug Research Laboratories, Inc. Data under Accession Numbers: 259664, 259665, 259666, 259667, and 259668. Method of support not indicated.

Recommendation:

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

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2. A Dermal Sensitization Study was not submitted and one must be submitted or data to support waiver.

3. The appropriate signal word is CAUTION.

Label:

1. The signal word "CAUTION" must appear on center front panel of label.

2. The word "Combustible" should appear under the heading "Physical and Chemical Hazards" not following signal word.

3. Precautionary statements must precede general instructions and directions for use.

4. Precautionary statements must be revised similar to the following "CAUTION. Harmful if absorbed through skin, inhaled and if in eyes."

5. Upon submission of dermal sensitization data additional labeling may be necessary.

Review:

(1) Eye Irritation Study: Food and Drug Research Laboratories, Inc.; FDRL Study No. 8645A; August 15, 1985; EPA Accession No. 259664.

Procedure:

Six rabbits received 0.1 ml of the test material in one eye each. Observations made for 72 hours posttreatment.

Results:

At 1 hour, 5/6 conjunctive redness (5/6 = 1). At 24 hours, 2/6 redness (2/6 = 1). Irritation had cleared by 48 hours.

Study Classification: Core Guideline Data.

Toxicity Category: III - CAUTION.

(2) Primary Dermal Irritation Study: Food and Drug Research Laboratories, Inc.; FDRL Study No. 8645A; August 15, 1985; EPA Accession No. 259665.

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Procedure:

Six rabbits with two intact skin sites each were treated with 0.5 ml of the test material under occlusive wrap for 4-hour exposure period. Observations made for 14 days posttreatment.

Results:

At 24 hours, 6/6 slight erythema (scores of 1) and edema (scores of 1). At 72 hours, 6/6 slight erythema (scores of 1) and 5/6 edema (scores of 1). Irritation persisted through day 14 in a few animals. Test site reported to appear dry and slightly cracked beginning at day 7. Mean Primary Irritation Score reported to be 1.95.

Study Classification: Core Guideline Data.

Toxicity Category: IV - CAUTION.

(3) Acute Dermal Toxicity Study: Food and Drug Research Laboratories, Inc.; FDRL Study No. 8654A; August 23, 1985; EPA Accession No. 259666.

Procedure:

Five male and five female rabbits with intact skin sites each were treated with 2.0 g/kg of the test material under occlusive wrap for 24-hour exposure period. Observations made for 15 days posttreatment. Necropsy performed on all animals.

Results:

No mortalities or abnormalities at necropsy reported. Toxic signs reported included decreased activity, diarrhea, anorexia, and soft stools. $LD_{50}$ reported to be greater than 2.0 g/kg.

Study Classification: Core Guideline Data.

Toxicity Category: III - CAUTION.

(4) Acute Oral Toxicity Study: Food and Drug Research Laboratories, Inc.; FDRL Study No. 8645A; August 21, 1985; EPA Accession No. 259667.

Procedure:

Five male and five female rats received a single 5.0 g/kg dose of the test material orally. Observations were made for 15 days postdosing. Necropsy performed on all animals.

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Results:

No mortalities or abnormalities at necropsy reported. Toxic signs reported included wet abdomen in 5/5 F and sores in rectal area in 1/5 M. $LD_{50}$ reported to be greater than 5.0 g/kg.

Study Classification: Core Guideline Data.

Toxicity Category: IV - CAUTION.

(5) Acute Inhalation Toxicity Study: Food and Drug Research Laboratories, Inc.; FDRL Study No. 8645A; August 19, 1985; EPA Accession No. 259668.

Procedure:

Five male and five female rats were exposed whole body for 4 hours to a 0.9 mg/L liquid droplet aerosol determined gravimetrically (nominal concentration = 5.4 mg/L). Mass median aerodynamic diameter 3.8 um with 2.2 geometric standard deviation. Average temperature reported to be 26 °C and relative humidity 64%. Observations made for 15 days postexposure. Necropsy performed on all animals.

Results:

No mortalities or abnormalities at necropsy reported. Toxic signs reported included labored breathing and/or rales; decreased activity; dried material on fur of test animals; skin sores; alopecia.

Study Classification: Core Guideline Data.

Toxicity Category: III - CAUTION.

TBTO Scientific Reviews

Page _____ is not included in this copy.

Pages 5 through 6 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.