

Memorandum

In 11-30-82
RN 84001

Date: 18 January 1983

Subject: EPA File Symbol: 4758-RUL ^{1/5} HILL'S HOLIDAY TF5 TICK & FLEA PUMP SPRAY
Caswell #526

From: B. T. Backus
IRB/TSS

To: Mr. William Miller
Product Manager 16

Applicant: Pet Chemicals Inc.
P.O. Box 660656
7781 N.W. 73 CT
Miami Springs, FL 33166

Active Ingredient:
d-Limonene.....5.00%
Inert Ingredients:.....95.00%

Background:

Product is proposed for use on dogs and cats for control of ticks and fleas. The applicant has sent in a primary eye irritation study on this formulation; additional studies have been received on a similar 5% d-Limonene formulation (see review for EPA File Symbol 4758-RUA dated 01-18-83).

Comments and Recommendations:

1. The primary eye irritation received 11-23-82 is acceptable.
2. IRB/TSS would have no objection, on the basis of hazard to humans and domestic animals, to the conditional registration of this product for the proposed uses with the labeling comment as indicated below.

Labeling:

1. This product is in toxicity category IV with respect to potential oral hazard. Therefore, the proposed statement: "Harmful if swallowed." as well as the if swallowed statement of practical treatment are not necessary. However, we can accept retention of these statements.

Review:

The following study was conducted at Cosmopolitan Safety Evaluation, Inc. P.O. Box 71, Lafayette, NJ 07848. Study was received at EPA 11-23-82, and is in Acc. 248894.

1. Primary Eye Irritation - Rabbit. Study #0605D; dated 10-26-82.

Procedure: 0.1 ml was applied to one eye of each of 9 rabbits. Six eyes remained unwashed, 3 were washed for one minute starting no sooner than 20 seconds after instillation.

Results: Corneal opacity seen in one unwashed eye only. All eyes were clear by 7 days with the exception of the eye showing corneal opacity. The opacity in this eye had cleared by 10 days, but there was still slight conjunctival redness on day 17. This eye was clear by day 21.

Study Classification: Core Minimum Data

Product Classification: Tox. Cat. ~~III~~^{II} (only one eye showed corneal opacity, and 5/6 unwashed eyes had completely cleared by day 7).

Byron T. Backus

01-18-83

Byron T. Backus
IRB/TSS

FRONT PANEL

HILL'S HOLIDAY
TF5
Tick & Flea Pump Spray

ACTIVE INGREDIENTS:

d-limonene	5.00%
INERT INGREDIENTS:	95.00%
TOTAL	<u>100.00%</u>

002408

KEEP OUT OF REACH OF CHILDREN
CAUTION
See additional precautions on back panel

Net Contents 8 fl. oz. (237 ml)
EPA Reg. No. 4758-

BACK PANEL

GUARANTEE

If this product fails to perform as claimed, mail this container with proof of purchase to Pet Chemicals Inc. FULL PURCHASE PRICE plus your return postage will be refunded by return mail.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or absorbed through skin. Do not get in eyes. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling. While spraying on animals, do not get in animals' eyes. Do not use on puppies or kittens under 4 weeks of age. Do not use on irritated skin. Some individuals and pets may be sensitive to this product. Discontinue use if irritation develops.

STATEMENT OF PRACTICAL TREATMENT

- If swallowed - call a physician or Poison Control Center. Give one or two glasses of water and induce vomiting by touching back of throat with finger. Never give anything by mouth to an unconscious person.
- If on skin - remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - flush eyes with plenty of water. Get medical attention.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat and open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Hold pump spray 4-6 inches from animal. Direct spray into hair. To insure penetration to skin, stroke against lay of hair. Be sure to include legs and feet. Spray animal until thoroughly wet but avoid run-off. Do not spray towards eyes or on genital area, to avoid irritation. Use spray only in well ventilated areas. Do not use more than once every two days on animal.

STORAGE AND DISPOSAL

Do not contaminate food or water by storage. Do not re-use empty container. Wrap empty container and discard with trash.

EPA Est. No. 4758-FL-1

Manufactured by
PET CHEMICALS INC.

Cat. No. _____

P.O. Box 660656, Miami Springs, FL 33166