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Ms. Ruth Dodds
Hub States Corporation
419 East Washington Street
Indianapolis, Indiana 46204

Dear Ms. Dodds

Subject: Amendments to the Formulation and Label Submitted with
Application Dated 6/15/89 and 1/19/90 Respectively
EPA Reg. No. 5602-164

The amendments referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, are acceptable subject to the following comments.

1. The formulation described in your Confidential Statement of Formula dated 1/19/90 and the enclosed stamped approved label with changes made as described in this letter are the only label and formulation to be used for this product unless future labels or formulation amendment requests are approved.

2. Add the following statements to the label.

"In hospitals, patients should be removed from room prior to treatment. Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation." to the beginning of the Directions for Use section.

3. Replace the statements on the label

"Use in food processing plants only when plant is not in operation. All food processing

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CONCURRENCES

SYMBOL								
SURNAME								
DATE								

surfaces should be covered or thoroughly cleaned before using. Food should be removed or protected."

and

"Use in food processing plants only when plant is not in operation. All food processing surfaces should be covered or thoroughly cleaned before using. Food should be removed or protected during the treatment."

with

"Use in food processing plants only when plant is not in operation. Remove or cover food in such a way as to prevent contamination. Food contact surfaces and equipment must be washed with an effective cleaning compound followed by a potable water rinse after treatment. Facilities and equipment in federally inspected meat and poultry plants must be washed with an effective cleaning compound followed by a potable water rinse after treatment."

and move them to the beginning of the Directions for Use.

4. Since your data matrix does not give a dielectrical breakdown voltage, you must add the following to the use directions:
"Do not use this product in or on electrical equipment due to the possibility of shock hazard."
5. Submit a revised Confidential Statement of Formula. Provide the upper and lower Certified Limits based on the pure active ingredients rather than the technical or concentrate. Note that the lower limit of the active must be the same as the label claim. Note that 13a and 13b should be filled out for MGK Intermediate 5886. 14a and 14b should be filled out for the actual active ingredients.
6. Revise the ingredients statement to read as follows.

ACTIVE INGREDIENTS:

Pyrethrins	0.056%
*Technical Piperonyl Butoxide	0.22%
n-Octyl bicycloheptene dicarboximide	0.22%
Petroleum distillates	11.39%
Inert Ingredients	

*Equivalent to .176% (butylcarbityl) (6-propyl-piperonyl) ether and 0.044% of other related compound.

-3-

7. Place the signal word Caution below the Keep Out of Reach of Children Heading.
8. Submit a label amendment to add precautionary language as described in 40 CFR 156.10 for Agency review.

If the conditions of these amendments are not complied with after acceptance, the registration will be subject to cancellation in accordance with Section 6(e) of the Act.

Submit five (5) final printed labels (labeling) within 75 days. (If finished labeling cannot be furnished within the 75-day period, an extension should be requested.)

Sincerely yours,



Phil Hutton
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

DIRECTIONS FOR USE

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

WHERE TO APPLY

Use in Food Handling and Processing Establishments • Stores • Dairies • Canneries • Hotels • Institutions • Hospitals • Schools • Homes

HOW TO APPLY

ROACHES, ANTS, SILVERFISH and CRICKETS: Aspirator device best of space to be treated. Open all doors, windows, closets, etc. Shake the can toward insects, into cracks, crevices, and along all door sills and window frames. For total cleanup, apply for 10-15 seconds per 100 square feet of floor space. Close room for one hour. Repeat treatment as necessary. Do not spray directly on clothes, fabrics or other materials.

FLIES, MOSQUITOES, WASPS, GNATS: Aspirator device best of space to be treated. Close doors and windows. Pointing nozzle upward, direct the aerosol mist to all parts of the room, especially windows and other light sources which attract these insects. Keep insects in constant motion at least 20 inches from fabrics. Apply for 1 second per 1,000 cu. ft. of space. Spraying closer than 20 inches or longer than indicated may cause staining on fabrics, furs and other materials. Keep open areas closed 15 minutes after each treatment.

FLYING ADULT MOTHS: WORMS CLOTHES MOTHS, Y-THROATED MOTHS, AND ALBINO MOTHS: Aspirator device best of space to be treated. Treat all suspected enclosures arranging clothing and other articles so that the foggy mist can circulate freely around them. Keep the insects in constant motion at least 20 inches away from the articles. Applying for 1 second per 1,000 cubic feet of space and close the treated area for 45 minutes or more. Spraying closer or longer than as directed above, or more often than bi-weekly, may cause staining on fabrics, furs and other materials. Two-Thirty-Two is not a moth proofing agent and will not destroy uninfested adult moths.

STORED PRODUCT INSECTS (Accessible Stages):

(1) **COMMON FLEA BEETLES, GRAMINAE BEETLES, and MICE BEETLES:** — Direct treatment toward insects into cracks, crevices, around machinery, around containers of stored products and other areas that may harbor insects. Hit as many insects as possible. A minimum dosage of 10-15 seconds treating time per 100 cu. ft. of floor space is recommended, leaving treated area lightly closed for at least 45 minutes. Repeat treatment as required. (2) **WHEAT BEETLES, or CORN BEETLES, or RICE BEETLES:** — Close doors and windows. Direct aerosol to all parts of the room, especially into dark enclosures and around stored product containers, etc., where adult moths may be hiding. Use a minimum dosage of 10 to 15 seconds treating time per 1,000 cu. ft. of space. Leave treated area closed 20 minutes. Repeat treatment weekly or as other flying insects appear.

Use in food processing plants only when plant is not in operation. All food processing surfaces should be covered or thoroughly cleaned before using. Food should be removed or protected during the treatment.

STORAGE AND DISPOSAL

Store: Store in cool area away from heat or open flame.

Disposal: This CYLINDER IS REFIILLABLE. RETURN TO MANUFACTURER FOR REFILL OR EXCHANGE WITHIN SIXTY.

EPA Reg. No. 54282-2

EPA Est. 54282-SC-001

NET WT. 5 POUNDS
(2.268 KILOGRAMS)



Twenty-three

AEROSOL INSECTICIDE

KILLS ROACHES, ANTS, SILVERFISH, CRICKETS, FLIES, MOSQUITOES, WASPS, AND GNATS

CAUTION: KEEP OUT OF REACH OF CHILDREN

(See This Panel for Additional Cautions)

ACTIVE INGREDIENTS

Pyrethrin	0.5%
Technical pyrethrin butoxide	1.0%
10-Octyl bicycloheptene dicarboximide	1.0%
Permethrin	12.5%
INERT INGREDIENTS	85.0%

*Equivalent to 0.5% (butylcarbyl) (5-propylpyrethrin) ester and 0.2% of other related compounds.

PHYSICAL OR CHEMICAL HAZARDS

This cylinder contains a liquid under pressure. Do not puncture. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Never throw container into fire or incinerator.

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5602-164
How to assemble

5 LB. CONTAINER

How to Assemble

- (1) Remove valve cylinder.
- (2) Insert cylinder.
- (3) Affix the hose valve with a wrench, if needed.
- (4) Do not use with

How to Operate:

1. Sling strap over shoulder.
2. With application ward, open handle.
3. Keep the valve at all times when to release spray.
4. Depress trigger to release spray.
5. Valve must be cap replaced by cylinder.

CAUTION:

- Do not spray on utensils.
- Do not remain in ventilated area until completed.
- Remove pets, birds, aquariums before use.
- Use in food processing covered or otherwise protected.

TECHNICAL PRODUCTS CORPORATION, Portsmouth, VA 23704