

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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MAR 11 1996

Ms. Sharon Johnston
AgrEvo
95 Chestnut Ridge Road
Montvale, NJ 07645

Dear Ms. Johnston:

Subject: 6(a)(2) Primary Eye Irritation Study
Permanone 40% EC LPI
EPA Registration No. 432-786
Permanone 40 EC Alternate
EPA Registration No. 4816-573
Permanone 3.4 E.C.
EPA Registration No. 4816-689
Permanone 40 MFG Concentrate
EPA Registration No. 4816-552
Your Submissions and FAX's Dated September 19, October 3,
October 4, October 30, 1995 and March 7, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling change bearing the amended labeling:

1. We have reviewed your primary eye irritation study (MRID 437997-04) that was submitted as 6(a)(2) study and find it acceptable. It has been assigned a toxicity category I with a signal word DANGER. As a result of this toxicity category we have the following labeling comments:
 - a. The following must be included under Precautionary Statements: "Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse."
 - b. The Statement of Practical Treatment must include:

IF IN EYES: Hold eyelids open and flush with a steady, gently stream of water for 15 minutes. Get medical attention **CONCURRENCES**

SYMBOL							
SURNAME							
DATE							

IF SWALLOWED: Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

c. Under Storage and Disposal add the following:

"Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance."

The category I classification for primary eye irritation triggers restricted use for the non-manufacturing use products, Registration No's. 432-786 and 4816-689. We will not require you to label these two products "Restricted Use Pesticide" if you certify that your product's packaging is child resistant. In our October 16, 1995 (for Reg. No. 4816-552) letter we requested that identify how much of each product is in the market with the WARNING signal word. Also, do you plan to resticker existing stock with the aforementioned labeling changes? This matter should be addressed immediately.

Submit three copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (7505C)

enclosure

3 9 5

PERMANONE 40% EC LPI

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

DANGER

Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles, face shield or safety glasses. Harmful if swallowed. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Do not use this or any other pesticide on sick, old or debilitated animals.

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated area. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

- * FOR AGRICULTURAL/COMMERCIAL USE AND VECTOR CONTROL AGENCY, PEST CONTROL OPERATORS ONLY.
- * FOR CONTROL OF FLIES, LICE, MITES, AND TICKS ON LIVESTOCK AND THEIR PREMISES.
- * CAN BE USED ON LACTATING AND NON-LACTATING CATTLE AND GOATS, BEEF CATTLE, SHEEP, SWINE, POULTRY AND HORSES.
- * DIRECTIONS FOR FLEA AND TICK CONTROL ON DOGS AS SPRAY DIP WASH OR DIP TANK
- * CAN BE USED IN ALL AREAS OF DAIRY BARNs, INCLUDING MILK ROOMS.
- * AIDS IN CONTROL OF FIRE ANTS.
- * 1/2 fl. oz. (15 ml) DISPENSING CHAMBER.

ACTIVE INGREDIENT

Permethrin* 40.00%
 (3-Phenoxyphenyl)methyl (±)cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropane-carboxylate.

) INERT INGREDIENTS 60.00%
 100.00%

*cis/trans ratio: Max. 65% (±) cis and Min. 35% (±) trans.
 PERMANONE is a Registered Trademark of AgrEvo Environmental Health
 † Contains Petroleum Distillate.

EPA REG. NO. 432-786

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

) IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

with COMMENTS
 in EPA Letter Dated

See Side Panel for

Additional Precautionary Statements

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage and Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.

Metal Containers: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Plastic Containers: Triple rinse or equivalent. Then offer for recycling or reconditioning and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

NET CONTENTS:

BEST AVAILABLE COPY

TARGET SPECIES	USE	DILUTE (NO. TREATED)	APPLICATION RATE
Lactating and Non-Lactating Dairy Cattle and Goats, Beef Cattle and Sheep			
Hom flies only (For 1 week residual control)	High pressure spray	4 fl. oz. (118 ml) to 50 gals. water (treats 200) 0.025% Active Ingredient (AI)	1 qt. of coarse spray per animal
Hom flies, Face flies, Stable flies, House flies, Horse flies, Deer Flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Scabies mites, Ticks, Lice, Sheep keds (1-2 weeks residual control of horn flies)	High pressure spray	4 fl. oz. (118 ml) to 25 gals. water (treats 50-100) 0.05% AI	1-2 qt. of coarse spray per animal over whole body surface. For mange, Scabies, Ticks and Lice thoroughly wet animal. Repeat application 10-14 days for Mites and Lice.
Hom flies, Face flies, Stable flies, Ear ticks and Lice. (2-3 weeks residual control of horn flies)	Low pressure spray (Hand pump sprayer)	4 fl. oz. (118 ml) to 2-1/2 gals. water (treats 64-80) 0.5% AI	For fly and lice control, spray midline from face to tailhead to point of runoff (4-5 fl. oz.)(118-148 ml). For ear tick control, spray directly into each ear (1/2 fl. oz. (15 ml) each).
Hom flies, Face flies, Stable flies (Season long control of horn flies)	Backrubber, Self-Oiler	4 fl. oz. (118 ml) to 10 gals diesel oil or suitable mineral oil, 0.125% AI	Keep rubbing device charged. Results improved by daily forced use.
Poultry			
Northern fowl mites, Lice	High pressure spray	1-4 fl. oz. (30-118 ml) to 3.75 gals. water (treats 375) 0.08-0.33% AI	1 gal of coarse spray per 100 birds, paying particular attention to vent area.
Swine (Allow 5 days between last treatment and slaughter)			
Lice, Mange	Sprayer or Dip	4 fl. oz. (118 ml) to 25 gals water (treats 50-100) 0.05% AI	Thoroughly wet or dip animals including ears. For Mange, spray pen floors, sides and bedding. Repeat at 14 days.
Horses & Dogs (Do not use on cats)			
Hom flies, Face flies, Stable flies, House Flies, Horse flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Scabies mites, Ticks, Lice, Fleas	Low pressure spray	1/4 fl. oz. (7.5 ml) to 1 pt. water 0.625% AI	1-2 fl. oz. (30-60ml) spray per animal. Spot treat back, face, legs, tail and ears Thoroughly wet animal to skin with sponge or rag. Let drip dry. Make sure all areas are soaked to skin. Let dip dry on animal. Do not rinse off.
	Dip wash	1/4 fl. oz. (7.5 ml) to 1.25 gals. water 0.0625% AI	
	Dip (dogs only)	4 fl. oz (118 ml) to 20 gals. water 0.0625% AI	
Premises - in and around Horse, Beef, Dairy, Swine, Sheep and Poultry Premises, Animal Hospitals, Pens and Kennels and Outside Meat Processing premises			
House flies, Stable flies, Little House flies (Fannia Spp.), Aids in control of Cockroaches, Ants, Spiders, Mosquitoes and crickets	Surface Spray	4 fl. oz. (118 ml) to 10 gals water 0.125% AI	Spray surfaces until wet or 1 gal per 750-1000 sq. ft. (Do not use in Milk Rooms) Apply as fog or fine mist until area is filled with mist, using 2 fl. oz. (60 ml) per 1000 cubic ft. (Can be used in Milk Rooms) 4 fl. oz. (118 ml) spray per 1000 cu. ft. of air space. (Do not use in Milk Rooms)
	Space Spray	1.5 fl. oz (45 ml) to 1 gal water 0.469% AI	
	Overhead space spray system	4 fl. oz (118 ml) to 10 gals mineral oil 0.125% AI	
Temporary reduction of annoyance from pests mentioned above	Outdoor space spray	1.5 fl. oz. (45 ml) to 1 gal. water 0.469% AI	Fill area with mist. Apply while the air is still and avoid wetting foliage.
Bed bugs and Chicken mites	Sprayer	4 fl. oz. (118 ml) to 10 gals. For severe infestation it is permissible to use 4 fl. oz. to 4 gals.	Spray crevices and roost poles, cracks in walls and cracks in nest and nest boxes.

BEST AVAILABLE COPY

Ticks, including the Deer tick, Fleas	Indoor Sprayer	3 fl. oz. (90 ml) to 2 gals water 0.489% AI	Treat around windows, doors, porches, screens, caves, patios, garages, under stairways and in crawl spaces where these pests may occur. Apply until surface is (approx. 1 gal per 750-1000 sq. ft.)
	Outdoor Sprayer	4 fl. oz (118 ml) to 100 gals. water. For longer residual, use up to 8 fl. oz. (236 ml) to 100 gals water 0.0125%-0.025% AI	Use enough finished spray to penetrate foliage, usually 50- 100 gals. per acre. To prevent infestation of buildings, treat a band of vegetation 6-10 feet adjacent to the structure.
Imported Fire Ants	Sprinkler can	3 fl. oz. (90 ml) to 1 gal water 0.938% AI	Gently sprinkle 1 gal. over the surface of each mound. Thoroughly wet the mound and surrounding area to treat a 4 ft. diameter. For best results, apply in cool weather 65-80°F (early morning or late evening). Pressurized sprayers may disturb ants and cause migration reducing product effectiveness.

Do not apply dilutions for premise treatment directly on livestock or poultry. Ensure that feed and water are not contaminated by spray drift. For space spraying, do not remain in treated areas and ventilate the area before reoccupying. Animals should be removed from area prior to treatment. The use of any residual fly spray should be supplemental with proper manure management and general sanitation to reduce or eliminate fly breeding sites.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

AgrEvo Environmental Health
 95 Chestnut Ridge Road
 Montvale, New Jersey 07645