

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 13 4816-688
PS 184

MAY 19 1993

300/5440875
17/12

Ms. Sharon M. Johnston
Roussel Uclaf Corporation
95 Chestnut Ridge Road
Montvale, NJ 07645

Dear Ms. Johnston:

Subject: Amendment - Label Update
Permanone Multi-Purpose 10% E.C.
EPA Registration No. 4816-688
Your Submission dated April 16, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure:

CONCURRENCES

SYMBOL								
SURNAME	Moats							
DATE	5/18/93							

PERMANONE

MULTI-PURPOSE 10% E.C.

EPA REG. NO. 4816-688

EPA EST. NO. 279-NY-1

- * **RECOMMENDED FOR AGRICULTURAL/COMMERCIAL USE**
- * *Broad Spectrum Multi-Use Insecticide*
- * *Quick Knockdown*
- * *For Use Outdoors and in Homes, Kennels, and Non-Food Areas of Commercial Buildings, Institutions, Warehouses, Theaters, Office Buildings, Schools, Hotels, Restaurants, and Food/Feed Processing Establishments.*
- * *Kills Gypsy Moth Caterpillars and Japanese Beetles.*
- * *For Control of Fleas, Brown Dog Ticks On Premises and On Dogs*
- * *Residually controls Fleas and Ticks on Dogs for 35 Days*
- * *Aids in Control of Ticks on Dogs for an Additional 2 Weeks*

ACTIVE INGREDIENT:

*Permethrin: (3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2- dimethyl cyclopropanecarboxylate	10.0%
INERT INGREDIENTS	90.0%
	100.0%

* Cis/trans ratio: Max. 65% (+/-) trans and min. 35% (+/-) cis.

†Contains Petroleum Distillates

PERMANONE - Registered Trademark of Roussel Uclaf Corporation.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See label for additional precautionary statements.

NET CONTENTS: _____


ROUSSEL UCLAF

Roussel Uclaf Corporation

95 Chestnut Ridge Road

Montvale, New Jersey 07645

STORAGE AND 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: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local procedures.

CONTAINERS ONE GALLON AND SMALLER: Do not reuse container. Wrap container in several layers of newspaper and discard in trash.

CONTAINERS LARGER THAN ONE GALLON: *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, or puncture 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. *Glass Containers* - Triple rinse or equivalent, then dispose of in a sanitary landfill or by other approved state and local procedures.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Causes moderate eye injury. Avoid breathing vapor or spray mist and contact with eyes, skin or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Wear full-faced gas mask with canister type recommended for general insecticide protection for applying indoors as a space spray or fog.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting unless under a physician's care. This product contains petroleum distillate. Vomiting may cause aspiration pneumonia.

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

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: Do not administer or instill milk, cream or other substances containing vegetable or animal fats which enhance absorption of lipophilic substances.

ENVIRONMENTAL HAZARDS

This product is highly toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when wind speeds exceed 10 mph. Do not contaminate water when disposing of equipment washwaters. Shrimp and crab may be

killed if application rates recommended. Use with caution where there is highly toxic to bees exposed remaining on the treated area. when bees are actively visiting be timed to provide the maximum and the next period of bee activity.

PHYSICAL & CHEMICAL

Do not use or store near heat in or on electrical equipment.

Buyer assumes all risks of use in strict accordance with directions.

DIRECTIONS

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

To prepare dilutions, the concentration must be added to the water well. Add the required amount thoroughly. Do not hold dilution.

For maximum effectiveness, a space treatment is recommended aquaria before spraying.

Do not use in food/feed areas, restaurants or other areas where food is processed. Do not use in a facility is in operation. Serving are served such as dining room be prepared or held. In the h utensils should be covered before use. Exposed food/feed

NON FOOD/FEED AREAS: rooms, lavatories, floor drains, offices, locker rooms, machine closets, and storage (after can

Do not apply to classrooms, patient rooms or in any rooms

Do not allow spray treatment poultry ranges or water supply forage or pasture.

INDOOR USE AREAS

AIRCRAFT
BAKERIES
BEVERAGE PLANTS
CANNERIES
FLOUR MILLS
FOOD PROCESSING PLANTS
GRAIN ELEVATORS
GRANARIES
HOMES
HOSPITALS (non patient areas)
HOTELS
INDUSTRIAL INSTALLATIONS

APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
ASA SURFACE SPRAY Aircraft, Bakeries, Beverage Plants, Canneries, Flour Mills, Food Processing Plants, Grain Elevators, Granaries, Homes, Hospitals, Hotels, Industrial Installations, Jetties, Meat Packaging Plants, Motels, Office Buildings, Railroad Cars, Restaurants, Schools, Ships' Holds, Supermarkets, Truck Trailers, and Warehouses.	Cockroaches, Waterbugs, Palm-leaf Bugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Millipedes, Centipedes, Sowbugs, Pillbugs, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Red Rust Flour Beetles, Saw-toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Mealworms, Grain Mites, and Caddisflies	For initial clean up of severe insect infestations: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray ant trails, nests and points of entry. For normal infestations: Use a good sprayer adjusted to deliver a coarse wet spray. Direct the spray into hiding places, cracks and crevices, under pallets, around containers of stored foods, around the base of machinery and behind shelves and drawers. Spray bookcases for Silverfish. Spray ant trails, nests and points of entry.	Water	1 part concentrate in 10 parts water (13 fl. ounces per gallon)	1 gallon to 750 square feet of surface	
	Carpet Beetles	Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, closets and isolated area of shelving. Repeat treatment as necessary.	Water	1 part concentrate to 20 parts water (6.5 fl. ounces per gallon)	1 gallon to 750 square feet of surface	
	Bedbugs	Spray mattresses lightly particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors. Allow all treated articles to thoroughly dry before use. Repeat treatment as needed.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		
	Fleas and Ticks (Adults and Larvae)	Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and localized areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment.	Water	From 1 to 2 parts concentrate to 40 parts water (3.25 - 6.50 fl. ounces per gallon)		
		ON DOGS: To control flea ticks ASA SPRAY: Start spraying diluted product at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray wets thoroughly. Do not spray into eyes and face. Avoid contact with genitals. Repeat as necessary. Do not use on old, sick or debilitated animals. ASADMP: Wet the dog with water before treatment. Sponge, dip or pour diluted product on the dog until its fur and skin are thoroughly wet, making sure that the animal's entire body is treated, including the legs and underbody. Do not treat the dog's face. NOTE: NOT RECOMMENDED FOR USE ON PUPPIES LESS THAN FOUR WEEKS OLD.	Water	1 to 1.5 parts concentrate in 120 parts water (1 to 1.5 fluid ounces per gallon)		
Trees and Shrubs	Gypsy moth caterpillars and adults, adult Japanese beetles and Eastern and pest tent caterpillars	Apply to ensure thorough coverage of upper and lower surfaces. On trees and shrubs: Treat trees and shrubs as insects emerge (Usually spring). Treat leaves, branches and tree trunks evenly, making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control. On roses and in flower gardens: Treat plants and flowers as soon as insects appear. Spray plants and flowers making sure to penetrate dense foliage. Repeat application every 7 days or as necessary for control.	Water	1 part concentrate in 40 parts water (3.2 fl. ounces per gallon of water)		
Walls, ceilings, moldings, screens, door frames, beams, light cords, and similar resting places.	Mosquitoes, Wasps, Gnats, Stinkbugs	Treat surfaces using coarse wet spray. Spray to run off.	Water	1 part concentrate in 20 parts of water (6.5 fl. ounces per 1 gal. of water)		
LIVESTOCK SPRAY: Dairy & Beef Cattle, Sheep, Goats, Swine, Horses and Poultry. (For swine, do not spray animals for slaughter within 5 days of last treatment.)	Horn Flies, House Flies, Mosquitoes And Gnats	Apply to wet the hair thoroughly, with particular attention to topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		
	Stable Flies, Horse Flies And Deer Flies	Apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment as needed.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		
	Face Flies	Apply using spray which produces large wetting droplets. Apply to the face of the animal in the morning before releasing to pasture. Apply sufficiently to wet the face but not more than 1.5 ounces per animal. Repeat daily as needed.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		
	Lice (including Poultry Lice), Northern Fowl Mites, Mange	Spray nests, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist. For Swine, thoroughly wash animal, including ears. Retreat at 14 days for Mange. Treat Walls and Bedding.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		1 gal. per 100 birds.
	Bedbugs and Mites in poultry houses	Spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		
	Sheep "tick" or head	Thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool. Treat at a rate sufficient to wet the animal.	Water	1 part concentrate in 100 parts water (1.3 fl. ounces per gallon)		
	Flies on Livestock (To kill and to protect against reinfection)	Wet the animal by dipping or spraying.	Water	1 part concentrate in 20 parts water (6.5 fl. ounces per gallon)		

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APPLICATION SITES	PESTS CONTROLLED	USE DIRECTIONS	DILUENT	DILUTION RATE	APPLICATION RATE	DOSE RATE
AIR SPACE SPRAY LIVESTOCK PREMISES: Barns, Milking Parlors, Milk Rooms, Dairies, Poultry Houses, Swine and Livestock Housing.	Flies, Mosquitoes and Gnats	Apply as a fog or fine mist, directing the spray toward the ceiling and upper corners until the area is filled with mist, using about 2 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes. Vacate the treated area and ventilate before reoccupying. Repeat treatment as necessary.	Water	1 part concentrate in 20 parts water (5.5 fluid ounces per gallon)		
Bakeries, Beverage Plants, Canneries, Flour Mills, Food Processing Plants, Granaries, Homes, Hospitals, Hotels, Industrial Installations, Kennels, Meat Packaging Plants, Motels, Office Buildings, Railroad Cars, Restaurants, Schools, Ships' Holds, Supermarkets, Truck Trailers, Warehouses.	House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Blackflies, Small Flying Moths.	Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. When using an oil dilution for space spraying, extinguish all flames and shut lights when applying. For rapid control of House Flies, Fruit Flies, Gnats, Mosquitoes, Skipper Flies, Wasps, Hornets, Bees, Blackflies, Small Flying Moths, direct spray at an upward angle distributing it uniformly through the entire area at a rate of 1 ounce per 1000 cubic feet of space. Keep area closed for at least 10 minutes. Vacate areas after treatment and ventilate and sweep up dead material before reoccupying. For rapid kill of exposed or accessible stages of other insects named on this label, apply using conventional, mechanical or compressed air equipment (non-thermal) following directions for space spraying.	Oil or Water	1 part concentrate in 20 parts oil or water (8.5 fluid ounces per gallon)	1 ounce per 1000 cubic feet	
Animal Houses, Corrals, Drive-in Restaurants, Drive-in Theaters, Feedlots, Gardens, Golf Courses, Parks, Playgrounds, Recreational Areas, Urban Areas, Zoos, Etc.	Mosquitoes, Gnats, biting and non-biting Midges, Blackflies, and other biting Flies.	Apply using vehicle mounted ULV equipment to create an insecticidal wash. For best results apply when there is a light breeze (i.e. about 5 mph) and apply in the direction of breeze to obtain maximum contact and better distribution. Do not apply if winds exceed 10 mph. The target dose rate to be applied is up to 0.007 lb. a.i. per acre. This can be achieved under different conditions by altering the flow of insecticide from the equipment and the speed of the vehicle. Apply 2.5 to 7.0 fluid ounces per minute at vehicle speeds of 5-10 miles per hour using nozzles of 150-300 feet as appropriate to local conditions. At higher vehicle speeds flow rates should be increased proportionately to achieve the target dose rate. Not to be used within 100 feet (30 meters) of lakes and streams. In treatment of corrals, feed lots, vine lots and zoos, cover any exposed drinking water, drinking containers and animal feed before application. Allow 24 hours before retreating. Do not apply more than once in a 24 hour period.	Oil or Water	1 part concentrate with 1 part suitable oil solvent or at proportion of dilutions calculated on the basis of vehicle speed and swath width to achieve the target dose.	Dependent of swath width, flow rate and speed of vehicle.	Up to 0.007 lb. of active ingredient per acre.
BARRIER SPRAY Perimeter of residential yards, public facilities, paths, and recreational areas.	As an aid in reducing mosquito annoyance. To kill and control biting and non-biting midges, black flies and other biting flies.	Apply when walking at a speed of approximately 2 mph or a swath of 50 feet treating approximately 0.2 acre/minute.	Oil or water	1 part concentrate to 1 part of a suitable diluent, or at proportion of dilutions calculated on the basis of application speed and swath width to achieve the target dose.	Apply 17.5 fluid ounces of diluent material per acre.	Approx. 0.1 lb. per acre

HOSE-END SPRAYER: To control household insects, shake well before applying. Connect nozzle to hose; remove cap, insert dip tube and screw bottle onto nozzle. Turn on water at the tap. When ready to treat, place finger over the hole on right side of nozzle and the liquid will mix automatically at the proper ratio. Apply to surfaces in dairies, barns, feed lots, stables, poultry houses, swine and livestock housing; to control House Flies, Stable Flies and other manure breeding flies. Also aids in control of Cockroaches, Ants, Spiders, Mosquitoes, Crickets, and Face Flies. Walk and spray at a steady pace. Spray walls and surfaces to the point of run-off. Treat no more than once every two weeks. Do not contaminate animal feed or water by spray.

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