PERMANONE ® 10% E.C.

**ACTIVE INGREDIENT:**

Permethrin: .......................................................... 10.0%

†OTHER INGREDIENTS: ........................................... 90.0%

SKU# 04191632

• * BROAD SPECTRUM MULTI-USE INSECTICIDE
• * QUICK KNOCKDOWN
• FOR USE OUTDOORS AND IN NON-FOOD/FEED AREAS OF COMMERCIAL BUILDINGS, WAREHOUSES, AND FOOD/FEED PROCESSING ESTABLISHMENTS.
• FOR USE ON LIVE STOCK: CATTLE (BEEF AND DAIRY), GOATS, SHEEP, SWINE, HORSES, AND Poultry

**KEEP OUT OF REACH OF CHILDREN**

WARNING

CAUSES SKIN IRRITATION. DO NOT GET ON SKIN OR CLOTHING. HARMFUL IF INHALED. AVOID BREATHING VAPOR OR SPRAY MIST. CAUSES MODERATE EYE IRRITATION. AVOID CONTACT WITH EYES. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIIONS IN SOME INDIVIDUALS. WEAR CHEMICAL-RESISTANT OR LONG-SLEEVED SHIRT AND LONG PANTS, SOCKS, CHEMICAL-RESISTANT FOOTWEAR, AND CHEMICAL RESISTANT GLOVES (GLOVE LINER, NITILE RUBBER, OR PVC). APPPLICATORS USING ULV COLD FOGGERS AND/OR FOG/MIST GENERATORS IN OUTDOOR SPACES MUST WEAR:

• SHOES PLUS SOCKS, AND
• CHEMICAL-RESISTANT FOOTWEAR PLUS SOCKS, AND
• CHEMICAL-RESISTANT HEADGEAR, IF OVERHEAD EXPOSURE.

APPPLICATORS USING ULV COLD FOGGERS OR FOG/MIST GENERATORS IN INDOOR SPACES MUST WEAR:

• LONG-SLEEVE SHIRT AND LONG PANTS,
• CHEMICAL-RESISTANT HEADGEAR, IF OVERHEAD EXPOSURE.

APPLICATORS IN ALL OTHER MIXERS, LOADERS, APPLICATORS, AND OTHER HANDERS MUST WEAR:

• LONG-SLEEVE SHIRT AND LONG PANTS,
• SHOES PLUS SOCKS,
• CHEMICAL-RESISTANT GLOVES FOR ALL HANDERS EXCEPT FOR APPPLICATORS USING MECHANIZED GROUND EQUIPMENT, PUMPS, AND AUGERS
• CHEMICAL RESISTANT APRONS FOR MIXERS/LOADERS, PERSONNEL CLEANING, AND PERSONS EXPOSED TO THE CONCENTRATE AND FOR HANDLERS PERFORMING ANIMAL DIP.

**FIRST AID**

**If on skin or clothing**

• Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15 to 20 minutes.
• Call a poison control center or doctor for treatment advice.

**If in eyes**

• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

**If swallowed**

• More to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

**Physical & Chemical Hazards**

PERM ANONE ® 10% E.C. is designed for application as an Ultra-Low Volum e (ULV) aerosol to control adult m osquitoes and flies in residential, industrial, urban, recreational and other areas where adult m osquitoes and flies are found. PERM ANONE 10% E.C. is used for control of annoyance flies and horn flies, and nuisance flying insects such as houseflies.

**READ ENTIRE LABEL BEFORE EACH USE PRECAUTIONARY STATEMENTS**

HAZARDS To Humans & Domestic Animals

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• CHEMICAL RESISTANT APRONS FOR MIXERS/LOADERS, PERSONNEL CLEANING, AND PERSONS EXPOSED TO THE CONCENTRATE AND FOR HANDLERS PERFORMING ANIMAL DIP.

**USER SAFETY REQUIREMENTS**

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not rewear them. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENTRY RESTRICTIONS**

For space spray use

Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

For surface spray use

Except when applying to livestock, do not enter or allow others to enter treated area until spray has dried.

**ENVIRONMENTAL HAZARDS FOR TERRESTRIAL APPLICATIONS**

This product is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. This pesticide 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.

**ENVIRONMENTAL HAZARDS FOR WIDE AREA MOSQUITO ADULTICIDE APPLICATIONS**

This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Avoid from treated areas or deposition of spray droplets into a body of water. The use of this product may be hazardous to fish and aquatic invertebrates.

When applying as a wide area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

When applying as a wide area mosquito adulticide, do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries) except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

**DIRECTIONS FOR USE**

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

**APPLICATION RESTRICTIONS**

Do not use in aircraft cabins.

Use in a handheld cold or thermal fogger is prohibited.

Except when applying to livestock or as a wide area mosquito adulticide, do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Except when applying to livestock or as a wide area mosquito adulticide, only protectively handled handlers may be in the area during application.

Do not apply when wind is present.

**WIDE AREA MOSQUITO CONTROL**

For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal mosquito control regulatory agency to perform adult mosquito control applications, or by persons under direct supervision.

**APPLICATION INSTRUCTIONS**

Do not exceed 25 applications at 0.007 lbs of permethrin per acre or 0.18 lbs of permethrin per acre in any given season. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

Apply when wind speed is greater than 1 mph.

**GENERAL**

PERM ANONE 10% E.C. is designed for application as an Ultra-Low Volume (ULV) aerosol to control adult mosquitoes and flies in residential, industrial, urban, recreational and other areas where adult mosquitoes and flies are found. PERM ANONE 10% E.C. is also recommended for application with mist-blowers, backpack sprayers, hand-held sprayers, and low pressure hand sprayers for barrier or surface applications. PERM ANONE 10% E.C. is used for control of anopheles flies and mosquitoes, mosquitoes and flies of public health or disease vector importance in areas such as but not limited to residential areas, industrial areas, urban areas, parks, campgrounds, athletic fields, golf courses, playgrounds, recreation and overgrown waste areas, roadides, and other areas where adult mosquitoes and flies occur. Apply at a rate not to exceed 0.007 pounds of permethrin per acre in any given 24 hour period.

In the treatment of corrals, feedlots, swine feedlots, poultry yards and coops cover any exposed dripping water, drinking fountains and animal feed before application. PERM ANONE 10% E.C. provides effective control of adult mosquitoes, black flies, grubs, lice, biting and non-biting midges, stable flies, horse flies, deer flies, sheep flies, horn flies, and nuisance flying insects such as houseflies.

**Spray Droplet Size Determination**

Ground Equipment:

Spray equipment must be adjusted so that the volume median diameter is less than 30 microns (Dv 0.5 = 30 µm) and that 95% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 = 50µm). Directions from the equipment manufacturer of the pesticide label or registration label of the test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.
Not for use in outdoor residential misting systems.
To prepare dilutions, the concentrate should first be stirred or agitated well. Add the required amount of concentrate to water or other approved diluents (see Directions for Use) then mix well. For maximum effectiveness, a combination of localized application and space treatment is recommended. Remove pets, birds and cover or close areas before spraying.

USE RESTRICTIONS FOR OUTDOOR MOSQUE UTE USE
Do not allow spray treatment to contaminate crop land, poultry ranges or water supplies. Do not use on crops used for human or animal feed.

USE RESTRICTIONS FOR INDOOR USE
Except when making wide area mosquito application or treating livestock, do not apply this product in any manner that will contact workers or other persons, either directly or through drift.

APPLICATION RATE

For applications to livestock or fowl

- 5.0 ounces per gallon

- 20 parts water (6.5 fl oz)

- 1 part concentrate in 20 parts water (1.3 fl oz per animal)

- 1 part concentrate in 100 parts water (5.5 fl oz per animal)

Wet the animal by dipping or spraying as needed.

Indoors, treat animal at a rate sufficient to wet

- 15% of the hair

- 10% of the hair

- 7% of the hair

Wet the entire animal using a high pressure stream directed from a hose attached to a sprayer, or by hand spraying the animal.

APPLICATION SITES

Fleas on Livestock (To kill and to protect against reinfestation) Apply as needed to the animal to kill and protect against reinfestation.

Fleas, Mosquitoes, and Gnats Apply as needed to areas where insects are being controlled or as needed for general house flies, mosquitoes, and gnats control.

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 insects or infestations. Repeat daily as needed.

Insects: Flies, Mosquitoes, and Gnats Apply a 4 oz to 9 oz fine mesh, directing the spray toward the ceiling and upper corners until the area is filled with mist, using about 2 to 6 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for 1 to 2 hours after spraying.

Linseed Oil, Grapefruit Juice, and Water Mix 1 part concentrate in 100 parts water (1.3 fl oz per animal) and thoroughly mix to obtain a spray solution. Treat at a rate sufficient to wet the animal.

Milk Rooms, Dairies, Small Milk Barns, Ponds, Houses, Sheds, Barns, Houses, and Other Structures Apply as needed to areas where insects are being controlled or as needed for general house flies, mosquitoes, and gnats control.

Skimmers, Indoor or Outdoor Foliage Plants, Grasses, Indoor or Outdoor Ponds, Kitchens, Livestock Areas, Meat Packing Plants, Office Buildings, Supermarkets, Truck Trailers, Warehouses

For applications to livestock or fowl

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Wet the animal by dipping or spraying as needed.

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.

INDOOR USE AREAS

APPLICATION SITES

Bakers

 application equipm ent and the vehicle speed.

Do not make applications during rain.

Do not make applications 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 to 6 ounces per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for 1 to 2 hours after spraying.

For rapid control of houseflies, fruit flies, mosquitoes, skippers, flies, wasps, hornets, bees, black flies, small flying moths, etc., apply at an upward angle 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 vacuum all treated areas before reoccupying.

For applications to resting or aggregation surfaces using low pressure hand sprayers or other similar equipment that has demonstrated the capacity to deliver an even distribution of the labeled rate over the desired treated area, mix 1 part concentrate with 1 part water or suitable oil diluent and apply sufficient spray to dampen the surface. For application using backpack or truck-mounted mouldboard equipment, apply undiluted product at a rate not to exceed 36.8 oz of diluted product per acre or diluted at a rate not to exceed 0.1 lb as per. Direct spray onto foliage at the perimeter of areas from which mosquitoes or flies are to be excluded or direct spray into horizontal areas or resting areas where adult mosquitoes or flies may be found. When this product is applied as a barrier using low pressure hand sprayers, hydraulic sprayers, or ground UGV equipment, do not apply within 100 feet (30 meters) of lakes and streams.

For applications to water

- 1 part concentrate in 20 parts water (6.5 fl oz per animal)

- 1 part concentrate in 100 parts water (5.5 fl oz per animal)

- 1 part concentrate in 20 parts water (6.5 fl oz per animal)

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