



UL-100 EC

Insecticidal Spray

KILLS: Ants, Bed Bugs, Deer Flies, Fleas, Flies, Fruit Flies, Face Flies, Gnats, Horn Flies, House Flies, Mites, Mosquitoes, Poultry Lice, Roaches, Skipper Flies, Sheep "Tick" or Keds, Stable Flies, Yellow and Blue Lice

FOR USE: Barns, Dairies, Meat and Poultry Plants, Milking Parlors, and Poultry Houses

SPECIMEN LABEL

ACTIVE INGREDIENTS:

Pyrethrins 0.96%
Piperonyl Butoxide* 9.60%

OTHER INGREDIENTS:** 89.44%

TOTAL: 100.0%

* (butylcarbityl)(6-propylpiperonyl) ether and related compounds
**Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See Additional Precautionary Statements

EPA Reg.No. 89459-29
EPA Est. No. 2724-TX-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Contains Petroleum Distillate. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378, seven days a week, 9:30 am to 7:30 pm EST. At other times, call the poison control center at 1-800-347-8272.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

FIRST AID

IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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 SWALLOWED	<ul style="list-style-type: none"> • Immediately call a Poison Control Center or doctor. • Do not induce vomiting unless told to do so by the Poison Control Center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- long-sleeve shirt and long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or viton,
- shoes and socks.

In addition to the above PPE, applicators using a high pressure handwand in an enclosed area must wear at least a NIOSH-approved respirator with:

- a dust/mist filter with MSHA/NIOSH approval number prefix TC-21C or
- any R, P, or HE filter.

In addition to the above PPE, applicators using hand held foggers

in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with:

- a dust/mist filtering cartridge with MSHA/NIOSH approval number prefix TC-21C or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
- a cartridge or canister with any R, P, or HE filter.

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 the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

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.

ENVIRONMENTAL HAZARDS

For Terrestrial Applications: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

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.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

Entry Restrictions

- Remove or cover exposed food and drinking water before application.
- Remove or cover dishes, utensils, food processing equipment and food preparation surfaces or wash them before use.
- Remove pets and birds and cover fish aquariums before spraying.
- When used in food handling and processing facilities: Do not make space spray applications while facility is in operation. Prior to space spray applications, cover or remove food and cover food processing surfaces or clean after treatment and before use.
- Do not apply directly into sewers or drains or to any area like a gutter where drainage to storm sewers, water bodies or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- Except when applying to animals (livestock) or as a wide area mosquito adulticide, do not enter or allow others to enter

until sprays have dried and vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

- Except when applying to animals (livestock) or as a wide area mosquito adulticide, only protected handlers may be in the area during application.
- After space spraying, do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application.
Wash teats of animals before milking.
- Do not make applications during rain.
- Do not wet plants to the point of runoff or drip.
- Do not wet articles to the point of runoff. Do not use treated article until spray has dried.
- For use on animals: Do not apply more than 1 time per day.
- Not for use in outdoor residential mosquito misting systems.
- Do not use in aircraft cabins.

When diluting with water, prepare only the amount needed for immediate use. Holding a water dilution more than 24 hours is not recommended. Agitate occasionally. For oil dilutions, deodorized petroleum oil is recommended. A combination of localized surface applications and space treatments are recommended for maximum effectiveness.

AS A SURFACE SPRAY: For initial clean up of severe insect infestations, dilute at a rate of 1 part concentrate and 4 parts water or oil. For normal infestations, dilute 1 part concentrate and 9 parts water or oil. To kill **ROACHES, ANTS, SPIDERS, CRICKETS, CLOVER MITES, CHEESE MITES, GRANARY WEEVILS, RICE WEEVILS, CONFUSED FLOUR BEETLES, RUST RED FLOUR BEETLES, SAWTOOTHED GRAIN BEETLES, SPIDER BEETLES, CIGARETTE BEETLES, DRUGSTORE BEETLES, MEALWORMS, GRAIN MITES, SCORPIONS, BOXELDER BUGS AND CADELLES:**

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 bases of machinery, behind shelves, and drawers. For **ANTS:** Spray trails, nests and points of entry. If surface application only is to be used, spray floors, walls and other surfaces applying at a rate of 1 gallon to 750 square feet of surface.

AS A SPACE SPRAY: Dilute at a rate of 1 part concentrate to 19 parts water or oil. Apply with mechanical or compressed air equipment (non-thermal) adjusted to deliver a fine mist. Close doors and windows and shut off ventilating systems. To kill **FLIES, FRUIT FLIES, GNATS, MOSQUITOES, SKIPPER FLIES, WASPS, HORNETS, ANGOUMOIS GRAIN MOTHS, MEDITERRANEAN FLOUR MOTHS, INDIAN MEAL MOTHS, SMALL FLYING MOTHS, AND TOBACCO MOTHS:** Spray direct at an upward angle distributing it uniformly through the entire area at a rate of 1 fluid ounce per 1,000 cubic feet of space. Keep area closed for at least 10 minutes. Sweep up and destroy dead and fallen insects.

ULV APPLICATION: To kill exposed or accessible stages of the insects named on this label, dilute 1 part concentrate to 1 to 9 parts water or oil. Apply using conventional mechanical or compressed

air equipment (non-thermal) following directions for space spraying. Apply the above dilutions at a rate of from 1 to 10 fluid ounces per 1,000 cubic feet of space. When used in meat and poultry processing plants, a dilution of no less than 1 to 1 is acceptable, and it must be dispersed from equipment adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns).

FOR USE ON LIVESTOCK: To kill **HORN FLIES, HOUSE FLIES, MOSQUITOES, AND GNATS:** Dilute 1 part concentrate and 39 parts water and apply to wet the hair thoroughly with particular attention to the topline, underline, flanks, withers, and other infested areas. Repeat treatment at intervals of 5 to 12 days for small insect populations or daily as needed when flies are emerging in large numbers.

To kill **STABLE FLIES, HORSE FLIES, AND DEER FLIES:** Dilute 1 part concentrate and 9 parts water and apply one quart per adult animal to wet hair thoroughly with particular attention to the legs, flanks, barrel, topline and other body areas commonly attacked by these flies. Repeat treatment each week as needed.

To kill **FACE FLIES:** Dilute 1 part concentrate and 9 parts water. Use 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 1½ fluid ounces per animal.

To kill **MOTILE STAGES OF (BITING) YELLOW LICE AND (SUCTION) BLUE LICE on cattle, horses, sheep, goats and hogs:** Dilute this concentrate at a rate of 1 part in 100 parts of water. Spray to thoroughly wet hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To kill **POULTRY LICE:** Using a dilution of 1 to 100 in water, dip birds by submerging in a barrel tank or tub of the solution holding the wings away from the body to insure thorough wetting of all infested areas. In order to avoid chilling the fowls, dip them on a warm day or in a warm building.

To kill **BED BUGS AND MITES in poultry houses:** Dilute 1 part of concentrate and 9 parts of water and spray crevices of roost poles, cracks in walls, cracks in nests where the bed bugs and mites hide.

To kill **SHEEP "TICK" OR KED:** Dilute at the rate of 1 part concentrate to 100 parts of water and 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. To kill **FLEAS ON LIVESTOCK, and to obtain**

protection against re-infestation: Dilute at a rate of 1 part concentrate and 9 parts water and wet the animal by dipping or spraying. To control **SPINOSE EAR TICK:** Dilute at the rate of 1 part concentrate and 24 parts of water and apply by individual treatment, syringing or pouring 1 to 2 fluid ounces into each ear of large animals.

In barns, milking parlors, milk rooms and dairies: To kill FLIES, MOSQUITOES AND GNATS: Dilute at the rate of 1 part of concentrate and 9 parts of water or oil and apply as a fog or fine mist, directing spray toward the ceiling and upper corners until the area is filled with mist using about 2 fluid ounces per 1,000 cubic feet of space. For best results, close doors and windows before spraying and keep them closed for ten to fifteen minutes.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in a cool, dry (preferably locked) place away from heat or open flame and in an area that is inaccessible to children and animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying **(For containers 5 gallons or less)** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water (or solvent used to dilute product) and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **(For containers greater than 5 gallons)** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water (or solvent used to dilute product). Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available or reconditioning, if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.