

Environmental Hazards for Wide Area Mosquito Adulticide Applications

This pesticide is toxic to aquatic organisms, including fish and invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water 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.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply when bees are visiting the treatment area, except when applications are 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 disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

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.

For containers 5 gallons or greater: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Physical and Chemical 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.

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not use in aircraft cabins.
- Not for use in outdoor residential misting systems (indoor or outdoor).
- **Except when applying with an automatic space spray system or as a wide area mosquito adulticide**, do not enter or allow others to enter until sprays have dispersed, and the treated area has been thoroughly ventilated. Do not remain in treated area. Exit area immediately and remain outside the treated area until sprays have dispersed.
- **Except when applying with an automatic space spray system 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. Only protected handlers may be in the treated area during application.
- Remove or cover exposed food (except when applying to post-harvest commodities) and drinking water before application. Remove or cover dishes, utensils, food contact surfaces of food processing equipment and food preparation surfaces or wash them before use.
- **For indoor food handling/processing facilities:** Do not make space spray applications when facility is in operation. Except when applying to post-harvest commodities, prior to space spray applications, cover or remove food. Prior to space spray applications cover food processing surfaces or clean after treatment and before use. Do not apply more than 1 time per day.
- **For automatic space spray systems:** Not for use in residential areas. Do not use in nurseries or rooms where infants, ill or aged persons are confined. Except when applying to post-harvest commodities, do not place nozzles directly over or within 8 feet of exposed food, dishes, utensils, food contact surfaces of food processing equipment and food handling or preparation surfaces. Do not install within 3 feet of air vents. Carefully follow directions for the dispenser unit and when recharging with product or conducting maintenance.
- **For indoor agricultural premises, commercial animal housing and equipment and direct application to non-domestic animals/livestock:** Do not apply more than 1 time per day.
- **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 applications. Wash teats of animals before milking.
- **For post-harvest applications to vegetables:** Do not reapply within 7 days. Do not apply more than 10 times to sweet potatoes.
- **For post-harvest applications to stored grain and seed:** Do not reapply within 30 days.
- **For food stored in bags:** Direct application to food contact surfaces is prohibited.
- **For wide area mosquito adulticide applications:** 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 lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.
- **Remove pets, birds and cover fish aquariums before spraying.**
- **In hospitals, remove patients from room prior to treatment. Thoroughly ventilate room for at least 2 hours after application. Do not return patient to room until after ventilation.**

This concentrate is designed for use undiluted in automatic space spray systems and mechanical sprayers which give particles in the range of 5-20 microns.

INDOOR AREAS for use in and around: Animal areas & quarters, animal shelters, animal control centers, apartments, arcades, attics, auditoriums, bakeries, beverage plants, bars, basements, bathrooms, bird seed plants, boats, bottling plants, breweries, brewery warehouses, buildings, buses, cabins, cabinets, cafeterias, campers, canneries, churches, cit missions, circus tents, closets, club houses, coffee warehouses & processing plants, commercial buildings, communication centers, condominiums, concession stands, court houses, crawl spaces, crematoriums, day care centers*, delicatessens, department stores, diners, dog houses, drug stores, dumpsters, dwellings, egg processing plants, factories, feed mills, flour mills, food processing and storage facilities, freight containers, fruit packing sheds, funeral parlors, garbage bins, garbage cans, garbage compactors, garbage trucks, gas stations, grain elevators, grain harvesting & handling equipment, garages, grain mills, granaries, grocery stores, homes, horse stables & barns, horse trailers, hospices*, hospitals*, hotels, indoor eating establishments, industrial installations, institutional dining areas, institutions, jails, laboratories, laundromats, lavatories, libraries, liquor stores, locker rooms, marinas, mausoleums, meat packing plants, mess halls, mini-storages, mobile canteens, mobile homes, morgues, mortuaries, motels, movie theaters, museums, nursing homes*, office buildings, other public buildings, parking garages, peanut warehouses & shelling/processing plants, pool halls, prisons, public storage, railroad cars, recreational vehicles, research animal quarters, restaurants, retail stores, rice mills, schools*, ships, ship holds, smoke shops, sports stadiums, stables, storage bins (areas), stored food in multi-walled paper or cloth bags, stores, supermarkets, taverns, textile mills & warehouses, theaters, tobacco factories, tobacco warehouses, tool sheds, trains, transportation equipment, trucks, truck trailers, tunnels, utilities, utility rooms, false ceilings vending machines, veterinary hospitals, wall & equipment voids, warehouses, washrooms, wholesale stores, wine cellars, wineries and zoos.

*Use site is not approved for automatic space spray systems.

TO KILL THE FOLLOWING INSECTS: *Almond Moths, Angoumois Grain Moths, Ants, Black Fly, Boxelder Bugs, Brown Dog Ticks, Cadelles, Carpet Beetles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cockroaches, Coffee Bean Weevils, Confused Flour Beetles, Crickets, Dark Mealworms, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetle, Drugstore Beetles, Earwigs, Face Fly, Firebrats, Flat Grain Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, Hornets, Indian Meal Moths, Khapra Beetles, Lesser Grain Borers, Lesser Housefly, Mediterranean Flour Moths, Merchant Grain Beetle, Midges, Miller Moths, Millipedes, Mosquitoes, Flying Moths, Palmetto Bugs, Pillbugs, Red Flour Beetles, Rice Flour Beetles, Rusty Grain Beetles, Saw-Toothed Grain Beetle, Silverfish, Skipper Fly, Spiders, Spider Beetles, Stable Flies, Sowbugs, Ticks, Ticks That May Carry and Transmit Lyme disease, Tobacco Moths, Warehouse Beetles, Wasps, Waterbugs, Yellow Jackets, Yellow Mealworms.*

INDOOR USE UNDILUTED

AUTOMATIC SPACE SPRAY SYSTEMS: Use in automatic space spray systems to kill exposed accessible stages of: *Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants* and the following common stored product pests: *Granary Weevils, Rice Weevils, Confused Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Tobacco Moths, Yellow Mealworms, Dark Mealworms, Grain Mites, Cadelles and Red Flour Beetles.* Close room and shut off all air conditioning or ventilating equipment. Set system to apply undiluted concentrate at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

ULV AND SPACE SPRAY: Use in aerosol generators to kill exposed accessible stages of: *Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants* and the following common stored product pests: *Granary Weevils, Rice Weevils, Confused Flour Beetles, Saw-Toothed Grain Beetles, Spider Beetles, Cigarette Beetles, Drugstore Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Tobacco Moths, Yellow Mealworms, Dark Mealworms, Grain Mites, Cadelles and Red Flour Beetles.* Close room and shut off all air conditioning or ventilating equipment. Set system to

ENTECH FOG-10 SPACE SPRAY

- **For Use Indoors As A ULV, Space, Area, Contact Spray Or Thermal Fog For Listed Insects**
- **Effective And Fast Acting**
- **Provides Flushing Action And Quick Knockdown**
- **Formulated for Use in Large Food Handling, Storage & Processing Facilities**

ACTIVE INGREDIENTS:

Pyrethrins **1.0%**

Piperonyl Butoxide* **5.0%**

OTHER INGREDIENTS:** **94.0%**

TOTAL **100.0%**

* (butylcarbonyl) (6-propylpiperonyl) ether and related compounds.

** Contains petroleum distillates

Contains 0.0663 lbs/gallon pyrethrins and 0.3315 lbs/gallon piperonyl butoxide

EPA Reg. No. 40391-14

EPA Est. 40391-LA-1

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

If Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • 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.
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HOT LINE NUMBER

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 from 6:30 a.m. to 4:30 p.m. Pacific Time, Monday through Friday. After 4:30 p.m. Pacific Time on weekdays and on weekends, call the poison control center at 1-800-222.1222.

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

Manufactured by: **ENTECH SYSTEMS CORPORATION**

607 Maria St. • Kenner, LA 70062

(504) 469-6541 • email: Entech@msn.com

NET CONTENTS:

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Gallons

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

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

Personal Protective Equipment (PPE):

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

- Long-sleeve shirt
- Long pants
- Shoes and socks

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 (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 material that have been drenched or heavily contaminated with this 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

This product is toxic to aquatic organisms, including fish and invertebrates. Do not contaminate water when disposing of equipment washwater or rinsate. See Directions for Use for additional precautions and requirements.

apply undiluted concentrate at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

CONTACT SPRAY: TO KILL *Cockroaches, Silverfish, Earwigs, Ants, Spiders*, use a mechanical aerosol generator or a fogger. Apply as a spot & crack & crevice treatment at 1/2 gallon / 1000 sq. ft. of surface area. Direct the spray into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Do not apply more than once per day.

CONTACT AND SPACE SPRAY: TO KILL *Cockroaches, Silverfish, Earwigs, Ants, Spiders*, use a mechanical aerosol generator or a fogger. First, apply as a spot & crack & crevice treatment at 1/2 gallon / 1000 sq. ft. of surface area. Direct the spray into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Then treat as a space spray. Apply at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

NOTE: If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, turn off electrical equipment prior to application. After application, allow time for oil to dissipate before starting motors or placing switches in the "ON" position.

Treatment of Food Stored in Bags: *To kill* accessible adult stages of *Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Four Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetle* and other listed pests, apply as a space spray at the rate of 1.0 ounce / 1000 cu. ft. of space. Fumigate or destroy infested stored products or treat by other effective methods using an approved product intended for this purpose. Direct application to food contact surfaces is prohibited. Do not apply more than once per day.

Application to Vegetables (Potato, Tomato, Pea, Sweet Potato), Fruits (Apple, Blackberry, Blueberry, Boysenberry, Cherry, Crabapple, Currant, Dewberry, Fig, Gooseberry, Grape, Guava, Loganberry, Mango, Muskmelon, Orange, Peach, Pear, Pineapple, Plum, Raspberry), Nuts (Almonds, Walnuts) and other Commodities (Copra and Peanut): *To kill* accessible stages of *Almond Moths, Angoumois Grain Moths, Ants, Cadelles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Cockroaches, Confused Four Beetles, Crickets, Dark Mealworms, Drugstore Beetles, Earwigs, Firebrats, Flies, Fruit Flies, Fungus Gnats, Grain Mites, Granary Weevils, Hide Beetles, Indian Meal Moths, Mediterranean Flour Moths, Mosquitoes, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Silverfish, Small Flying Moths, Spiders, Spider Beetles, Yellow Mealworms, Dried Fruit Beetles, Warehouse Beetles, Rusty Grain Beetles, Lesser Grain Beetles, Coffee Bean Weevils, Khapra Beetles* and other listed insects. Apply as a surface application at a rate of 6.0 ounces / 1000 sq. ft. Spray walls, floors and other surfaces, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Or apply as a space spray at a rate of 1.0 ounce / 1000 cu. ft. of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions. Do not reapply within 7 days. Do not apply more than 10 times to sweet potatoes. Do not apply both surface and space sprays within the same 7-day period.

Animal Quarters Use: For use in cattle barns, horse barns, poultry houses, swine houses & zoos to kill *Flies, Mosquitoes, Small Flying Moths and Gnats:* **Apply at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. above the animals.** Direct spray toward the upper portions of the enclosure filling the room with mist. Close off and vacate treated areas for at least 15 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

VOID INJECTION - TO KILL *Cockroaches:* Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices to fill wall, equipment and other small structural void areas. Leave room ventilation or air conditioning equipment on during application. Do not apply more than once per day.

OUTDOOR APPLICATIONS, UNDILUTED:

To kill ADULT MOSQUITOES, GNATS AND SMALL FLYING MOTHS, This product may be used for mosquito control programs involving residential, industrial, recreational areas, overgrown wastes areas, roadsides and pastures where adult mosquitoes occur.

Best results are expected from application when the meteorological conditions favor an inversion of air temperatures in the area treated, and when the wind is not excessive. Apply only when wind speed is greater than or equal to 1 mph.

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs pyrethrin/acre, or 0.025 lbs piperonyl butoxide/acre, whichever is lower. When targeting *Aedes Taeiorhynchus* and other difficult species, applications may be made up to 0.008 lbs pyrethrin/acre/day, or 0.08 lbs piperonyl butoxide/acre/day, whichever is lower.

Application Rates of Entech Fog-10 Space Spray Undiluted for Adult Mosquito Control:

Pounds a.i./Acre		Entech Fog-10
Pyrethrins	PBO	Fl. Oz./Acre
0.0025	0.0125	4.80
0.0018	0.0090	3.48
0.0009	0.0045	1.74

Ground-based applications for wide-area mosquito abatement application: Spray equipment must be adjusted so that the volume median diameter is less than 30 microns (Dv 0.5 < 30 μm) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 μm). Directions from the equipment manufacturer or vendor, pesticide registrant or a 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.

TEMPORARY REDUCTION OF ANNOYANCE AND POTENTIAL VECTORS, UNDILUTED, from FLIES, MOSQUITOES and SMALL FLYING MOTHS OUTDOORS. The aforementioned application for outdoor ground application will afford temporary reduction of annoyance from these pests in public gathering places (drive-in restaurants, drive-in theaters, golf courses, municipalities, sewers, parks, playgrounds and recreational areas). Direct application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. Application should be made prior to attendance.

FOR USE IN THERMAL FOGGING EQUIPMENT: Following the above directions and precautions. Apply at a rate of not more than 0.0025 pounds of pyrethrins and 0.0125 pounds of piperonyl butoxide per acre. For control of nuisance species in Texas, it may be necessary to use a dose of up to 0.008 pounds of pyrethrins and 0.04 pounds of piperonyl butoxide per acre.

In additional outdoor areas (corrals, feed lots, swine lots and zoos) fill area with mist directing application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. In zoos, avoid exposure of reptiles to the product.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store this product in its original container in a cool, dry (preferably locked) place away from heat or open flame 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: Non-refillable container. Do not reuse or refill this container. Place in trash or 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.

IMPORTANT: READ BEFORE USE

To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in strict accordance with the directions given herewith.