



# FLIT<sup>®</sup> 13.3 EC

CONTROLS INSECT PESTS FOR UP TO 4 WEEKS. CONTROLS INSECTS ON PETS AS WELL. TO CONTROL: ROACHES, TICKS, CLUSTER FLIES, BEES, FLEAS, BEDBUGS, MOTHS, ANTS, SPIDERS, AND MORE.

**ACTIVE INGREDIENT:**

\* Permethrin (CAS #52645-53-1) ..... 13.30% w/w

**OTHER INGREDIENTS\*\*** ..... 86.70%

**TOTAL** ..... 100.00% w/w

\*Cis/trans isomers ratio: min. 35% (±) cis and max. 65% (±) trans.

\*\*Contains petroleum distillates.

## KEEP OUT OF REACH OF CHILDREN WARNING

### FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 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 on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Swallowed:** 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.

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

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

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes substantial but temporary eye injury. Do not get in eyes. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling.

**Personal Protective Equipment (PPE)** Some materials that are chemical-resistant to this product are long-sleeve shirt and long pants, shoes plus socks, protective eye-wear (goggles) and chemical-resistant gloves such as barrier laminate or Viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart. Mixers, loaders, applicators and other handlers must wear: long-sleeve shirt and long pants, shoes plus socks, chemical-resistant gloves for all handlers except for applicators using motorized ground equipment and flaggers; chemical-resistant apron for mixers/loaders, persons cleaning equipment and persons exposed to the concentrate and for handlers performing animal dip applications.

**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.

**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 (except as required by directions for use) or heavily contaminated with this product's concentrate. Do not reuse them.

#### ENVIRONMENTAL HAZARDS

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 run off 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.

#### PHYSICAL AND CHEMICAL HAZARDS

Combustible! Do not use or store near heat or open flame. Flashpoint minimum of 105°F (41°C).

#### DIRECTIONS FOR USE

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

#### General Precautions and Restrictions

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 area during application. Do not enter or allow others to enter until sprays have dried, vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated. Application is prohibited directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or for climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

For use in non-food areas indoors and outside premises of hotels, motels, homes, preschools, nurseries, day camps, greenhouses, lathhouses, seed houses, food handling establishments, packaging and processing plants, commercial, industrial, office, institutional and storage buildings, dairies, milk storage rooms, egg processing plants, supermarkets, restaurants, bottling plants, canneries, flour and feed mills, bakeries, and hospitals. In hospitals, patients should be removed prior to treatment. Also for use in campers, mobile homes, buses, automobiles, trucks, and boxcars. Also for use in dog kennels and horse stables. In horse stables, not for application if horses will be used for food.

Do not apply when food, feed or water is present. Do not apply this pesticide when people, pets, and/or food are present. Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food/feed is exposed or facility is in operation. Serving areas are areas where prepared foods/feed are served, such as dining rooms, but excluding areas where foods/feed may be prepared or held. Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. In the home, cover all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Not for use in federally inspected meat and poultry plants. Nonfood/feed areas are areas such as garbage rooms, lavatories, entries, vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling). Food/feed areas of commercial food/feed handling establishments where the product cannot be used include areas for receiving, serving, storage (dry, cold, frozen, raw), packaging (canning, bottling, wrapping, boxing), preparing (cleaning, slicing, cooking, grinding), edible waste storage, enclosed processing systems (mills, dairies, edible oils, syrups).

Do not apply this product in hospital patient rooms while occupied or in any rooms while occupied by the elderly or infirm. Do not apply in classrooms when in use. Do not apply to institutions (including libraries, sports facilities, etc.) when occupants are present in the immediate area.

**DO NOT USE THIS PRODUCT IN OR ON ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.**

For contact and residual sprays, mix with water in the following manner:

Finished Spray	Insect Control (Fluid Ounces)	Water
0.25%	2-2/3 (5-1/3 Tbsps.)	1 gallon
0.25%	2/3 (4 tsps.)	1 quart
0.50%	5-1/2 (10-2/3 Tbsps.)	1 gallon
0.50%	1-1/3 (8 tsps.)	1 quart

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution. One gallon of finished spray is sufficient to treat 1,580 linear feet with a 6 inch spray band.

#### INDOOR PEST CONTROL

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, fleas, boxelder bugs, scorpions, spider beetles, bedbugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage

areas. Spray directly on insects where possible.

**For Bedbugs:** Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor bedbugs, concentrating on tufts, folds and seams. Allow all treated articles to dry thoroughly before use. Cover mattress with mattress cover or sheet before use. Do not apply to pillows or bed linens.

**Spiders:** Spray directly on these pests and to the webbing and all cracks and crevices which harbor spiders.

**Ants:** To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible.

**Wasps, Hornets, Yellow Jackets, Bees, Indoors:** Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible.

**House Flies, Mosquitoes, Cluster Flies, Gnats, Fruit Flies, Flying Moths:** Close off all doors and windows. Point sprayer upward. Direct spray mist to all parts of the room, especially windows and other light sources which may attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Do not remain in treated room. Ventilate the room when treatment is completed.

**NOTE:** When treating upholstery, carpeting, fabric, or finely finished surfaces, apply to an inconspicuous area first to observe any possible adverse reaction.

### OUTDOOR PEST CONTROL

Do not water the treated area to the point of run-off. Do not make applications during rain. All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to soil or vegetation around structures;
  - (2) Applications to lawns, turf, and other vegetation;
  - (3) Applications to building foundations, up to a maximum height of 3 feet;
  - (4) Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering overhang, awning or other structure;
  - (5) Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
  - (6) Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch, or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition, that could result in runoff into storm drains, drainage ditches, gutters or surface waters, in order to control occasional invaders or aggregating pests.
- Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

**Pests on Outside Surfaces of Buildings:** Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet where pests are and may find entrance. Also, apply as a spot treatment to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen.

**House Flies, Mosquitoes, Cluster Flies, Gnats, Flying Moths, Outdoors:** For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages, and other places where these insects alight or congregate.

**DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:** When using this product, installers and service technicians must comply with the license, certification, or registration requirements of the state(s), tribe(s) or local authority(ies) where they are installed. Do not use in an evaporative cooling system. Do not use in misters located within 3 feet of air vents, air conditioner units, or windows.

Direct nozzles to spray toward the target area and away from swimming pools, water bodies, eating and cooking areas, or from areas where people are typically present. Do not set nozzles to direct mist near outside air condition systems or other home air intakes. Contact the system manufacturer for guidance or assistance to ensure compliance with the following requirement: This product may only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.25 grams per 1,000 cubic feet per day - equivalent to 0.69 fl. oz. of product (diluted 1 part concentrate with 21 parts of water) per 1,000 cu.ft. per day.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: This container holds 1 part FLIT 13.3 EC to 21 parts water.

If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

When applying via a remote activation device, do not apply when people, pets, or foods are present. If possible, when applying via automatic timer, set the timing for application when people and pets are unlikely to be present.

**Ants, Deer and Lone Star Ticks, Crickets, Fleas, and Earwigs, Outdoors:** For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways.

**Wasps, Hornets, Yellow Jackets, Bees, Outdoors:** Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

**To Control Fire Ants:** Dilute 2 tablespoons of this product in 1 gallon of water. Apply 1 gallon of solution as a gentle rain to each fire ant mound using a sprinkler can.

Thoroughly wet the mound and surrounding area to a 4 foot diameter. For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

### INSTRUCTIONS FOR USE ON ANIMALS AND ANIMAL PREMISES

Cattle Barns, Swine Houses, Milk Rooms, Kennels, Poultry Houses, Horse Barns, Dairies, Milking Parlors, Feed Lots, Stables, Paddocks.

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.

For initial clean up of severe insect infestation, dilute at a rate of 1 part concentrate in 25 parts water (5.5 ounces per gallon)(0.5%). For normal infestations dilute 1 part concentrate in 133 parts water (1.0 ounces per gallon)(2 tablespoons per gallon)(0.1%).

**PESTS ON FARM PREMISES** (Barns, Dairies, Loafing Sheds, Milking Parlors, Feedlots, Stables, Paddocks, and Livestock Housing); Horseflies, stableflies, lesser houseflies, and other manure breeding flies, fleas, lice, mites, ticks, including deer tick. Aids in control of cockroaches, mosquitoes and spiders. Spray walls and surfaces to the point of runoff, about 1 gal. per 750-1000 sq. ft. Treat no more than once every 2 weeks. Do not contaminate animal's feed or water by spray. Do not use in milk rooms.

REFERENCE CHART
DILUTIONS
Dilute 8 oz. in 8.25 gal. water.
Dilute 1 pt. in 16.5 gal. water.
Dilute 1 qt. in 33 gal. water.

**PESTS ON DOG PREMISES** (Kennels, Dog Houses, Runs and Yards); fleas, flies, lice and mange mites (adult and larvae). Thoroughly wet pet's bedding or resting areas to runoff. Most efficient pest control is accomplished when heavy pressure and good contact is achieved. Timing and frequency of applications should be based on pest populations reaching nuisance levels, but accompanying manure removal and sanitation practices should precede sprays. Do not spray feed, food, or water. Repeat as needed but not more often than once every two weeks.

### PESTS IN CATTLE BARNs, HORSE BARNs, SWINE HOUSES, KENNELS, MILKING PARLORS, MILK ROOMS, DAIRIES, POULTRY HOUSES, FEEDLOTS, STABLES, AND PADDOCKS;

flies, mosquitoes, and gnats. FOG OR FINE MIST: Apply directing the spray toward the ceiling and upper corners until the area is filled with mist. Apply as a fog or mist, directing the nozzle for maximum coverage of area. Use about 2 oz. per 1000 cubic feet of space. For best results, close doors and windows before spraying and keep closed for ten to fifteen min. Vacate the treated area and ventilate before reoccupying. Repeat as needed but not more than once every two weeks. FOR USE THROUGH AUTOMATIC SPRAYING SYSTEMS: Do not program automatic spraying system to release pesticides where people, animals, food or feed are directly exposed. Do not install within three (3) feet of air ducts. Refer to system user manual for specific instructions. Dilute as directed. Dispense diluted concentrate through automatic spraying system. Set nozzles to deliver two (2) ounces per 1,000 cubic feet of space. Set timer to operate in accordance with equipment directions.

**PESTS ON DOGS (READ ENTIRE LABEL BEFORE EACH USE. USE ONLY ON DOGS. DO NOT USE ON CATS OR KITTENS.)** Do not repeat treatment for seven (7) days. Do not use on puppies under twelve (12) weeks. Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing or medicated animals. Fleas, ticks, including deer tick, lice and mange. Dilute 8 oz. in 16.5 gal. water. Dilute 1 pt. in 33 gal. water. Dilute 1 qt. in 66 gal. water. Thoroughly wet the animal by dipping, sponging or spraying. Allow animal to dry in a warm place without rinsing or toweling. Gives long lasting protection against reinfestation. Apply at intervals of 2 to 3 weeks. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. In case of an emergency, call 1-800-548-2423 (Animal Poison Control Center).

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.  
**Pesticide Storage:** Store and transport in an upright position. Store in a cool dry area inaccessible to children or pets.  
**Pesticide Disposal:** If partly filled - Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.  
**Container Disposal:** If empty - Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

**Note:** Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability for default, breach, or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

**For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.**

MANUFACTURED FOR:

CLARKE MOSQUITO CONTROL PRODUCTS, INC.

159 N. GARDEN AVENUE

ROSELLE, ILLINOIS 60172

AVAILABLE PACKAGING: 1 Gallon

LOT NO.: Marked on Container Label

EPA REG. NO. 4-350-8329

EPA EST. NO. \_\_\_\_\_