

AEROTHOR

Total Insect Control Aerosol

**For use in Homes and Food and Non-Food Areas of Restaurants,
Food Processing Areas and other Commercial and Industrial Sites.**



DIRECTIONS FOR USE

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

Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm. Do not apply in classrooms when in use. Do not apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are the areas where prepared foods are served such as dining rooms but excluding areas where food may be prepared or held.

Use this spray as a spot or crack and crevice treatment to control insects listed below. Apply this product only as a coarse spray or crack and crevice treatment to localized areas where pests are found or may occur.

Avoid contamination of food and feedstuffs. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air.

Avoid contamination of food or food handling surfaces.

Do not apply while food processing is underway. Cover or remove all food processing surfaces. Thoroughly wash all food processing surfaces before reuse. After spraying in bakeries, meat packing plants, food processing plants, etc., all benches, shelving, equipment, etc. where exposed food will be handled must be washed with an effective cleaning compound followed by a potable water rinse to remove all traces of contamination.

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Non-food areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

Provides Contact and Residual Kill of: Ants, Crickets, Spiders, Cockroaches, Carpet Beetles, Black Widows, American Cockroach, Centipedes, Scorpions, German Cockroach, Silverfish, House Spiders, Asian Cockroach, Firebrats, Fleas, Smoky Brown Cockroach, Earwigs, Cat Fleas, Brown-Banded Cockroach, Sowbugs, Dog Fleas, Oriental Cockroach, Pillbugs, Ticks, Palmetto Bugs, Brown Dog Ticks, Water Bugs, Deer Ticks

For use in: Apartments, Commercial Buildings, Condominiums, Day Care Centers, Food Plants, Garbage Cans, Homes, Hospitals, Hotels, Industrial Plants, Institutions, Motels, Nursing Homes, Office Buildings, Other Public Buildings, Porches, Prisons, Railroad Cars, Restaurants, Schools, Ships, Supermarkets, Transportation Vehicles (except aircraft), Warehouses, and Zoos.

HOW TO USE: To kill Ants, Crickets, Centipedes, Silverfish, Firebrats, Earwigs, Sowbugs, Pillbugs and Spiders: Spray to contact as many insects as possible while thoroughly spraying all areas where the pests are suspected of hiding, such as the floor and baseboard areas of the pantry, food and pet food storage areas, cracks and crevices in walls and flooring materials, under sinks, under stoves, under refrigerators, around garbage containers, cabinets, door and window sills, thresholds, door and window frames, around floor drains, storage and utility installation areas, wall voids and where plumbing goes through the walls. Spray surfaces to wet but not to the point of runoff. For Ants, also spray ant trails and the places where these pests come into the building.

FOR COCKROACH CONTROL: Cockroaches (adults, nymphs) – American Cockroach, German Cockroach, Asian Cockroach, Smoky Brown Cockroach, Brown-Banded Cockroach, Oriental Cockroach.

CRACK AND CREVICE SPRAY: Apply spray in small amounts directly into cracks and crevices. Special attention should be paid to areas such as behind baseboards, connection areas around drains, pipes, behind and beneath sinks, stoves, plumbing, and other visible cracks and crevices. Spray these areas being certain that spray penetrates well. Care should be taken to avoid depositing this product onto exposed surfaces or introducing the material into the air. Avoid contamination of food or food handling surfaces.

CONTACT APPLICATION: Contact as many insects as possible with this spray in addition to spot spraying all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as beneath sinks, behind and beneath stoves and refrigerators, around garbage cans, cabinets, along the outside of baseboards, door sills, frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, contacting as many insects with spray whenever possible.

To Kill Carpet Beetles: Spray beetles when they are seen. Thoroughly vacuum and then spray surface of carpets and rugs in areas such as under sofas, chairs, tables, desks, and other low traffic areas (corners of rooms, closets, shelves) where the pests are seen. Spray the underside of rugs and carpets, when possible, allowing sprayed areas to dry before replacing on floor.

To Kill Fleas and Ticks: Prior to treatment, thoroughly vacuum the floor, upholstered furniture, baseboards, and pay special attention to areas where pets rest and areas under furniture. Remove and dispose of the vacuum bag containing ticks, fleas and flea eggs, larvae, and pupae in the garbage, preferably putting it into a plastic bag that can be securely closed. Discard in outside trash. This will prevent escapes which will reinfest the area. Apply as a spot treatment to areas such as the pet resting areas, pet bed, cracks and crevices, along baseboards, under furniture, and other areas where fleas and ticks are seen. To prevent reinfestation of the treated area with fleas and ticks, and to protect your pets, treat the animals with an EPA registered product labeled for use on animals and also treat the outdoor areas with an EPA registered product labeled for that use.

ACTIVE INGREDIENTS:

(S)-cyano(3-phenoxyphenyl)methyl-(S)-4-chloro-alpha-(1-methylethyl)benzeneacetate	0.05%
OTHER INGREDIENTS	99.95%
TOTAL	100.00%

E.P.A. Reg. No. 1021-1701-81824 E.P.A. Est. No. 11623-GA-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call the International Poison Center at 1-888-740-8712.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate. Exposure to temperatures above 130°F may cause bursting.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

Pesticide Disposal and Container Handling: Do not puncture or incinerate! Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Manufactured for: **ENSYSTEX II, INC.**
2713 Breezewood Ave., Fayetteville, NC 28303

NET WT. 15 OZ. (425 grams)

AEROTHOR and THOR and the THOR design are trademarks of Ensystex II, Inc. 08/09

Material Safety Data Sheet

AEROTHOR Total Insect Control

Emergency Phone 1-800-424-9300 (Chemtrec)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AEROTHOR Total Insect Control

EPA REGISTRATION NUMBER: 1021-1701-81824

COMPANY: Ensystex II, Inc.

ADDRESS: 2713 Breezewood Ave., Fayetteville, NC 28303

DAYTIME PHONE: 1-866-367-8467 (1-866-FOR-THOR)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Esfenvalerate CAS# 066230-04-4 0.05%

Aromatic Petroleum Distillates CAS# 064742-95-6 <2.0%

Petroleum Distillates CAS# 064742-47-8 <3%

Liquefied Petroleum Gas CAS# 068476-85-7 10-15%

Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: IMMEDIATE CONCERNS: CAUTION. Contents under pressure. Keep away from heat, sparks, open flame, and any other ignition sources. **Do not expose to temperatures above 130°F (54.4°C), as bursting may occur.** Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, and clothing.

DO NOT puncture or incinerate container.

POTENTIAL HEALTH EFFECTS: Causes temporary irritation, tearing, and blurred vision. **SKIN:** Can cause skin irritation. Can cause a burning or pricking sensation on more sensitive areas (face, eyes, mouth). **SKIN ABSORPTION:** Harmful if absorbed through the skin. **INGESTION:** Harmful if swallowed.

INHALATION: Excessive inhalation of mists can cause nasal and respiratory irritation. **CHRONIC:** None known.

COMMENTS: This material is considered to be hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES

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.

SKIN: 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.

INGESTION: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

INHALATION: Remove affected person 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.

NOTES TO PHYSICIAN: For skin effects, a highly efficient therapeutic agent for pyrethroid exposure is topical application of tocopherol acetate (Vitamin E). Diazepam has been recommended to reduce the CNS effects of Esfenvalerate.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This aerosol is NOT classified as FLAMMABLE by the flame extension test method described in 16 CFR 1500.45.

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product may support combustion and may decompose to give off toxic gases such as Hydrogen Cyanide, carbon monoxide, carbon dioxide and nitrogen oxides.

EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 130°F / 54.4°C may cause bursting.

FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

SENSITIVITY TO IMPACT: Forceful impacts can cause damage to aerosol unit and may cause a bursting or explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contains pyrethroids which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and federal/national regulations.

7. HANDLING AND STORAGE

HANDLING: Contents under pressure - DO NOT puncture or incinerate container. Do not use or store near heat, sparks, open flame, or any other ignition sources. Take prudent precautions to avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, food or feedstuffs by storage, handling, or disposal. Read and observe all precautions and instructions on the label.

STORAGE: Store in a cool, dry, well-ventilated, preferably locked storage area. Exposure to temperatures above 130°F / 54.4°C may cause bursting. Store containers upright and closed. Keep away from heat, ignition sources, and strong oxidizers. Emptied containers may retain product residues. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Esfenvalerate	TWA	None		None		(1)	2
Aromatic Petroleum Distillates	TWA					50 (2)	
Petroleum Distillates	TWA	None				100	525
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800		

OSHA TABLE COMMENTS: 1. Skin 2. Total hydrocarbon based on composition

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

PERSONAL PROTECTIVE EQUIPMENT EYES AND FACE: Take prudent precautions to avoid contact with eyes.

SKIN: Take prudent precautions to avoid contact with skin and clothing.

RESPIRATORY: Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/ or spray mists of this product.

WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquefied gases and liquid.

ODOR: Solvent odor.

pH: 6.8

Notes: pH measurement is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Heavier than air.

BOILING POINT: Not Available.

FREEZING POINT: Not Available.

MELTING POINT: Not Available

SOLUBILITY IN WATER: Partially miscible in water.

EVAPORATION RATE: Not available.

DENSITY: Not available.

SPECIFIC GRAVITY: 0.996 (Water = 1) at 20°C (68°F)

VISCOSITY: 8510 CPS at 20.8°C (69.4°F) Brookfield on Non-Volatiles

(VOC): < 15 %

COMMENTS:

WATER SOLUBILITY: Water Solubility analysis is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

SPECIFIC GRAVITY: Specific Gravity is for the aerosol contents less the compressed gas propellant (i.e., Non-Volatiles).

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Not compatible with strong acids or bases. Not compatible with strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE DERMAL LD50: > 2.0 gm/kg.

Notes: Albino rabbit.

ORAL LD50: > 1.85 gm/kg

Notes: Albino rat.

INHALATION LC50: >4.59 mg/L

Notes: Rates exposed for 4 hours to test atmosphere.

EYE EFFECTS: Irritation clearing in 72 hours.

SKIN EFFECTS: Moderate irritation at 72 hours. Produced a primary skin Irritation Index of 2.29 .

SENSITIZATION: Negative. Not considered to be a dermal sensitizer to albino guinea pigs.

GENERAL COMMENTS: The above toxicity data reported above was bridged from the concentrate of a similar formula that would go into making this end-use product.

COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental data not available for this product.

ECOTOXICOLOGICAL INFORMATION: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: IF EMPTY: Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

RCRA/EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40CFR 251.33) or CERCLA Hazardous Substance list (40 CFR Part 302 Table 302.4)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION) PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

AIR (ICAO/IATA) PROPER SHIPPING NAME: Consumer Commodity

UN/NA NUMBER: UN8000

PACKING GROUP: 9

VESSEL (IMO/MDG)

SHIPPING NAME: Not Available

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

There are no components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4) in this formulation.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements.

REGULATIONS

STATE REGULATIONS

VOLATILE ORGANIC COMPOUNDS (VOC): This product contains less than 15% VOC's.

Based on 08/16/2005 MGK