

# AEROTHOR

## Bedbug and Lice Control Aerosol



### ACTIVE INGREDIENTS:

3-phenoxybenzyl-(1RS, 3RS, 1RS, 3SR)-2,	
2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate.....	0.40%
*N-Octyl bicycloheptene dicarboximide.....	1.60%
OTHER INGREDIENTS.....	98.00%

100.00%

\*MGK® 264, Insecticide Synergist

MGK - Registered trademark of McLaughlin Gormley King Company.

EPA Reg. No. 1021-1767-81824 EPA Est. No. 11623-GA-1

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

#### FIRST AID

<b>If in eyes:</b>	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.
<b>If on skin or clothing:</b>	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.
<b>If swallowed:</b>	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
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 1-888-740-8712.	

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**Caution:** Harmful if absorbed through skin. Avoid contact with eyes, skin 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.

#### PHYSICAL OR CHEMICAL HAZARDS

**Contents under pressure.** Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not apply this product around electrical equipment due to the possibility of shock hazard.

#### DIRECTIONS FOR USE

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

**USE RESTRICTIONS:** In hospitals and nursing homes, remove patients before treatment. Ventilate room for two hours before returning patients. This product is not for use on humans; if lice infestation should occur on humans, use a product labeled for use on humans.

Do not use in commercial food/feed processing, preparation, food/feed storage or serving areas. In the home, all food/feed processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Exposed food/feed should be covered or removed. Remove pets, birds and cover fish aquariums before spraying.

#### SHAKE WELL BEFORE EACH USE.

**APPLICATION:** Spray in an inconspicuous area to test for possible staining or discoloration. Evaluate test area after drying. Hold container upright with nozzle aimed away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot for 5 seconds or until damp. Most effective results are achieved when used as part of a treatment protocol that includes physical, environmental and other chemical pest control measures. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry. Allow sprayed articles and surfaces to dry thoroughly before using or replacing bedding.

**TO KILL BED BUGS AND BED BUG EGGS:** Apply as a spot treatment to cracks and crevices on and around baseboards, floorboards, bed frames, wall hangings, headboards, furniture, door and window frames, millwork and walls. Apply as a surface spray to carpet, mattresses, box springs, walls, furniture, bedding, floor and floor coverings, rugs, garments, luggage, closets, drapes and other window appointments. Thoroughly clean and air-out mattresses and box springs. Then treat areas that may harbor bed bugs or their eggs, such as tufts, folds and seams. When treating for bed bug eggs spray each square foot for 13 seconds or until damp.

**TO KILL DUST MITES:** Thoroughly vacuum entire room concentrating on areas where mites congregate: such as mattresses, box springs, headboards, walls, floors, carpeting, and baseboards. Then spray surfaces until damp.

**TO KILL LICE:** Spray only those garments, parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned.

**TO KILL TICKS AND FLEAS:** Spray around beds, furniture and pet's habitat. Spray pet sleeping quarters, bedding, floor and floor covering where pets are kept. Use only a recommended pet spray on pets.

**TO KILL CLOTHES MOTHS AND CARPET BEETLES:** Apply as a spot treatment to cracks and crevices on and around baseboards, floorboards, furniture and around the edges of carpet. Apply as a surface spray to carpet, rugs, closets, baseboards, furniture, on floor and floor coverings. When treating carpets, floor coverings or rugs spray a sufficient amount to get the spray down into the base where the larval stages are feeding. Spray upper and lower surfaces of rugs or floor covering when possible.

#### 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.

NET WT. 9.5 OZ. (269 grams)

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

AEROTHOR and THOR and the THOR design are trademarks of Ensysstex, Inc.

# Material Safety Data Sheet

## AEROTHOR Bedbug and Lice Control

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

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** AEROTHOR Bedbug and Lice Control

**EPA REGISTRATION NUMBER:** 1021-1767-81824

**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

d-Phenothrin CAS# 026002-80-2 0.40%

N-Octyl Bicycloheptene Dicarboximide CAS # 000113-48-4 1.60%

Petroleum Distillates CAS# 064742-47-8 <3.0%

Liquefied Petroleum Gas CAS # 068476-86-8 10.0 – 15.0%

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

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** CAUTION. Contents under pressure. DO NOT use or store near heat, sparks, open flame, or any other ignition sources. DO NOT expose to temperatures above 130°F (54°C) as bursting may occur. Harmful if absorbed through the skin. Avoid contact with skin, eyes, and clothing.

DO NOT puncture or incinerate container. DO NOT apply this product in or on electrical equipment due to the possibility of shock hazard. Follow the "Directions For Use" on the label very carefully.

**POTENTIAL HEALTH EFFECTS:** EYES: May cause 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: May be harmful if swallowed. INHALATION: Excessive inhalation of mists can cause nasal and respiratory irritation.

**SIGNS AND SYMPTOMS OF EXPOSURE:** CHRONIC EFFECTS: None known. 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).

### 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 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

**GENERAL PROCEDURES:** DO NOT USE IN OR AROUND ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD. Do not use or store near heat, sparks, open flame, or any other ignition sources.

**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. Do not contaminate water, food or feedstuffs, by storage, handling, or disposal.

READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE LABEL.

**STORAGE:** Store containers upright and closed. Store in areas that are cool, dry, and well-ventilated. Exposure to temperatures at or above 130°F (54.4°C) may cause bursting. Keep away from heat, open flame, any ignition sources, and strong oxidizers. Emptied containers may retain product residues. DO NOT puncture or incinerate container. KEEP OUT OF REACH OF CHILDREN.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
N-Octyl Bicycloheptene Dicarboximide	TWA	None		None		None	
d-Phenothrin	TWA	None		None		None	
Petroleum Distillates	TWA	None		(1)	200 (1)	100	525
Liquefied Petroleum Gas	TWA	1000	1800	1000	1800	None	

OSHA TABLE COMMENTS: 1. Skin exposure

**ENGINEERING CONTROLS:** Ventilate treatment area thoroughly before re-entry.

#### 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.

**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:** Sweet smell.

**APPEARANCE:** Milky, white liquid.

**pH:** 7.43

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

**VAPOR DENSITY:** Heavier than air.

**FREEZING POINT:** Not Determined

**SOLUBILITY IN WATER:** Partially miscible in water.

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

**SPECIFIC GRAVITY:** 0.988 (Water = 1) at 20°C (68°F)

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

**VISCOSITY #1:** 4.83 CPS at 25°C (77°F) Brookfield on Non-Volatiles

(VOC): < 12.000 %

### 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:** > 2000 mg/kg

Notes: Albino rabbit.

**ORAL LD50:** > 5000 mg/kg

Notes: Albino rat.

**INHALATION LC50:** The Acute Inhalation LC50 of this material places it in EPA Toxic Category IV.

**EYE EFFECTS:** Irritation cleared within 48 hours for the un-rinsed eye, and within 24 hours for the rinsed eye.

**SKIN EFFECTS:** Slight irritation at 72 hours. Irritation Index = 2.2

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

**GENERAL COMMENTS:** Some of the above toxicity data was bridged from the concentrate that is used in manufacturing 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.

## 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 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)

**SHIPPING NAME:** Consumer Commodity

**UN/NA NUMBER:** UN8000

**PACKING GROUP:** 9

**VESSEL (IMO/IMDG)**

**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 12% VOC's.

Based on 09/13/2007 MGK