

# HERCON<sup>®</sup> Environmental

HERCON ENVIRONMENTAL  
Aberdeen Road, P.O. Box 435, Emigsville, PA 17318-0435  
Phone (717) 764-1192 & Fax (717) 767-1016

## MATERIAL SAFETY DATA SHEET

### SECTION I. MANUFACTURER

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HERCON ENVIRONMENTAL  
P.O. Box 435,  
Aberdeen Road  
Emigsville, PA 17318-0435  
For more information call 717-764-1192 or the National  
Pesticide Information Center ([www.npic.orst.edu](http://www.npic.orst.edu)),  
800-858-7378 between 6:30 am to 4:30 pm Pacific  
Time. After 4:30, call your poison control center at  
1-800-222-1222. For information or in an emergency  
call (717) 764-1192.

### SECTION II. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

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HEALTH =	1
FLAMMABILITY	0
REACTIVITY	0

### SECTION III. PRODUCT INFORMATION

**PRODUCT NAME:** Hercon<sup>®</sup> Luretape<sup>®</sup> FAW, Fall Armyworm, *Spodoptera frugiperda*

**COMMON NAME OF ACTIVE INGREDIENT:** Pheromone Blend for the Fall Armyworm

**CHEMICAL NAMES OF ACTIVE INGREDIENT:** Z-9-Tetradecenyl Acetate, Z-11-Hexadecenyl Acetate and Z-7-Dodecenyl Acetate

**C.A.S. NUMBERS:** 16725-53-4, 34010-21-4 and 14959-86-5

**FORMULA:**  $C_{16}H_{30}O_2$ ,  $C_{18}H_{34}O_2$ , and  $C_{14}H_{26}O_2$

**PRODUCT FORM:** Laminated polymeric dispenser

### SECTION IV. PHYSICAL PROPERTIES

<b>BULK DENSITY:</b>	N/A	<b>SPECIFIC GRAVITY/25°C:</b>	N/A
<b>MELTING POINT 300°F:</b>	N/A	<b>BOILING POINT:</b>	N/A
<b>FREEZING POINT:</b>	N/A	<b>VISCOSITY:</b>	N/A
<b>PERCENT VOLATILE MATERIAL:</b>		<b>pH:</b>	N/A
<b>ODOR DESCRIPTION:</b>		<b>VAPOR DENSITY (AIR = 1):</b>	N/A
<b>VAPOR PRESSURE (20°C mm HG):</b>	Not determined	<b>SOLUBILITY IN WATER:</b>	Insoluble

### SECTION V. PRODUCT HAZARD INFORMATION

**PERCENT ACTIVE INGREDIENT IN PRODUCT:** 1.5%  
**OCCUPATIONAL EXPOSURE LIMITS:** Not established

**HEALTH/TOXICITY INFORMATION:** The toxicological properties of the active ingredients have not been investigated. Use appropriate procedures to prevent direct contact with skin or eyes and prevent inhalation. No significant toxicity expected.

**EFFECTS OF OVEREXPOSURE:** None reported

#### EMERGENCY AND FIRST AID PROCEDURES:

**IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes then continue rinsing. **IF ON SKIN:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor immediately for further treatment advice.

**SYMPTOMS OF EXPOSURE:** May cause skin or eye irritation.

## SECTION VI. FIRE HAZARD INFORMATION

**FLASH POINT:** *N/A*

**FLAMMABLE LIMITS IN AIR:** *N/A*

**EXTINGUISHING MEDIA:** *Carbon dioxide, foam*

**SPECIAL FIRE FIGHTING PROCEDURES:** *If involved in fire, use air-supplied equipment. Do not inhale fumes.*

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** *None*

## SECTION VII. REACTIVITY INFORMATION

**PRODUCT STABILITY:** UNSTABLE \_\_\_\_\_ STABLE  X

**HAZARDOUS POLYMERIZATION:** MAY OCCUR \_\_\_\_\_ MAY NOT OCCUR  X

**CONDITIONS TO AVOID:** *None specified*      **MATERIAL TO AVOID:** *Strong oxidizing agents*

**HAZARDOUS DECOMPOSITION PRODUCTS:** On combustion, the polymeric dispenser may produce, CO, CO<sub>2</sub>, HCl, and Cl<sub>2</sub>.

## SECTION VIII. SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** *If product has spilled pick up mechanically. Place unpouched product in tightly sealed containers. Keep out of water sources and sewers.*

**PESTICIDE DISPOSAL:** *Waste resulting from the use of this product may be disposed of onsite or at an approved disposal facility.*

**CONTAINER DISPOSAL:** *Plastic bag: Nonrefillable container. Do not reuse or refill this container. Dispose of empty bag in a sanitary landfill or incinerate or if allowed by state or local authorities, by burning. If burned, stay out of smoke. Cardboard Box (when used as outside packaging): Dispose of outside cardboard box in sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.*

## SECTION IX. PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** *Usually none required*

**EYE PROTECTION:** *Usually none required*

**VENTILATION:** *Good general ventilation*

**PROTECTIVE GLOVES:** *None required but vinyl, latex, or rubber gloves recommended for continuous handling.*

**OTHER PROTECTIVE EQUIPMENT:** *None under normal usage.*

**NOTE:** *Personal protection information described above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.*

## SECTION X. HANDLING AND STORAGE PRECAUTIONS

**GENERAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** *Store in sealed containers in a cool, dry place and away from open flames. To maintain product integrity protect from high temperatures. Keep container closed. Launder contaminated clothing before use. Wear protective equipment described above if exposure conditions warrant. Do not contaminate water sources, food or feed.*

**SPECIAL PRECAUTIONARY CONDITIONS:** *None*

## SECTION XI. TRANSPORTATION DATA

**DOT LABEL:** *None required; Non-hazardous material.*

## SECTION XII. DISCLAIMER

Hercon Environmental warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the Directions for Use under normal conditions of use to the extent allowed by state law. Hercon neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, expressed or implied concerning this material except as stated above. This warranty does not extend to the use of this product contrary to the label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Hercon Environmental. If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable as determined by Hercon, refund of the purchase price. To the extent allowable by law, Hercon's maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no case will Hercon be liable for incidental, consequential or special damages resulting from handling, storage, use, misuse or abuse of this product.

**MSDS NUMBER:** 100324

**DATE ISSUED:** 18 June, 2007

**By:** Priscilla MacLean

**DATE REVISED:** 21 Sept, 2009

**TITLE:** Product Development Manager