



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: HERCON® DISRUPT BIO-FLAKE® CM
Target Insect: Codling Moth, Cydia pomonella
Biodegradable Mating Disruptant Flake

MSDS Number: 100836 Date: Sept 11, 2009

COMPANY: ABERDEEN ROAD COMPANY d/b/a HERCON ENVIRONMENTAL
 P.O. Box 435
 Aberdeen Road
 Emigsville, PA 17318

For more information call 717-764-1192 or the National Pesticide Information Center (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.

SECTION II. HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0

SECTION III. COMPOSITION AND INFORMATION ON INGREDIENTS

ACTIVE

COMMON NAME: *Codlemone*
 CHEMICAL NAME: E,E 8,10-dodecadienol
 C.A.S. NUMBER: *33956-49-9*
 FORMULA: *C₁₂H₂₂O*
 CONSTRUCTION: Biodegradable polymer, controlled release dispenser 1/8" X1/8" flake to be applied aerially or ground with appropriate applicator.
 EPA Reg No. 8730-74

SECTION IV. PHYSICAL PROPERTIES

BULK DENSITY: <i>N/A</i>	SPECIFIC GRAVITY/25 ⁰ C: <i>1.1</i>
MELTING POINT: <i>300⁰F</i>	BOILING POINT: <i>N/A</i>
FREEZING PT: <i>N/A</i>	pH: <i>N/A</i>
PERCENT VOLATILE by volume: <i>None specified</i>	
ODOR DESCRIPTION: <i>Mild</i>	VAPOR DENSITY (AIR = 1): <i>N/A</i>
VAPOR PRESSURE (20 ⁰ C, mm HG): <i>Not determined</i>	SOLUBILITY IN WATER: <i>Insoluble</i>

SECTION V. PRODUCT HAZARD INFORMATION

PERCENT ACTIVE IN PRODUCT: 8.00 %
 OCCUPATIONAL EXPOSURE LIMITS: *Not established*
 HEALTH/TOXICITY INFORMATION: *Toxicological properties of the active ingredient have been investigated and may be irritating to skin and eyes. Use appropriate procedures to prevent direct contact with skin or eyes and prevent inhalation. No significant toxicity is 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-*

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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.

SECTION VI. FIRE HAZARD INFORMATION

FLASH POINT: N/A FLAMMABLE LIMITS in air: N/A
EXTINGUISHING MEDIA: Water spray, Foam, Carbon dioxide, Fire extinguishing powder.
SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, wear self-contained respiratory protective equipment. Do not inhale fumes. UNUSUAL FIRE AND EXPLOSION HAZARDS: When burned the hazardous decomposition products that will result because of incomplete combustion include carbon monoxide (CO) and carbon dioxide, other unidentified products of hydrocarbon degradation.

SECTION VII. REACTIVITY INFORMATION

PRODUCT STABILITY: UNSTABLE _____ STABLE _____ X _____
HAZARDOUS POLYMERIZATION: May Occur _____ May Not Occur X _____
CONDITIONS TO AVOID: Do not store near easily ignited chemicals and materials or open flames. MATERIAL TO AVOID: Strong oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS: On combustion, the polymeric dispensers may produce CO, CO₂, and HCL.

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: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then 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. Metal drums [when used as outside packaging] Offer for recycling or reconditioning, or dispose of in sanitary landfill, or by other procedures approved by state and local authorities as long as none of the bags containing product have broken while in the drum. If bags have broken, triple rinse the drum and then offer for resulting or reconditioning, or dispose of in a sanitary landfill.

SECTION IX. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Usually none required.
EYE PROTECTION: Usually none required
VENTILATION: Good general ventilation should be sufficient.
PROTECTIVE GLOVES: None required but vinyl, latex or rubber gloves recommended for

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continuous handling. OTHER PROTECTIVE EQUIPMENT: None under normal usage.

NOTE: Personal protection information shown 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

WARRANTY AND LIMITATION OF DAMAGES

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.

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BY: Priscilla MacLean DATE REVISED: NEW
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