



SAFETY DATA SHEET

SECTION I – IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: HERCON® MICRO-TAC™
Target Insect: Sticker agent for Hercon Mating Disruptant products

CHEMICAL FAMILY: Adhesive; Vinyl Acrylic Emulsion

MSDS Number: FI 100777 Date: Dec 03, 2013

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 or call your poison control center at 1-800-222-1222

SECTION II. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Physical State: *Liquid*

Color: *White*

Odor: *Faint odor*

Signal Word: *Caution!*

HAZARD STATEMENTS: *May cause respiratory tract and eye irritation. Possible cancer hazard – contains material which MAY cause cancer*

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid breathing vapor or mist. Use only with adequate ventilation. Avoid contact with eyes. Keep container tightly closed. Use personal protective equipment as required.

Wash thoroughly after handling.

OSHA/HCS STATUS: *This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).*

ROUTES OF ENTRY: *Eye contact. Inhalation*

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation: *Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation. Slightly irritating to the respiratory system.*

Ingestion: *No known significant effects or critical hazards.*

Skin: *No known significant effects or critical hazards.*

POTENTIAL CHRONIC HEALTH EFFECTS:

Chronic effects: *No known significant effects or critical hazards.*

Carcinogenicity: *Contains material which may cause cancer. Risk of cancer depends on duration and level of exposure.*

SECTION III. COMPOSITION AND INFORMATION ON INGREDIENTS

COMMON NAME: *Vinyl Acetate*

C.A.S. NUMBER: *108-05-4*

% IN FORMULATION: *0.1-0.5%*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

SECTION IV. FIRST AID MEASURES

EYE CONTACT: *Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. Call a poison control center or doctor immediately for treatment advice.*

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get Medical attention immediately.

INHALATION: Move exposed person to fresh air. If person is not breathing, if breathing is irregular or if respiratory arrest occurs, call 911 or an ambulance, and then provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband.

INGESTION: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

PROTECTION OF FIRST AIDERS: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu). After 4:30 pm call your poison control center at 1-800-222-1222.

SECTION V. FIRE – FIGHTING MEASURES

FLAMMABILITY OF PRODUCT: In a fire or if heated a pressure increase will occur and the container may burst.

EXTINGUISHING MEDIA: Suitable: Use an extinguishing agent suitable for the surrounding fire.
Not Suitable: None Known

SPECIAL EXPOSURE HAZARDS: *Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any person risk or without suitable training.*

SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT: *If involved in fire, fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Do not inhale fumes.*

SECTION VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: *No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. (Section VIII)*

ENVIRONMENTAL PRECAUTIONS: *Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)*

SMALL SPILLS: *Stop leak if without risk. Move containers from spill area. Dispose of via licensed waste disposal contractor or consultant. Absorb with an inert material*

LARGE SPILLS: *Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section XIII). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. NOTE: see section I for emergency contact information and Section XIII for waste disposal.*

SECTION VII. HANDLING AND STORAGE

HANDLING: *Put on appropriate personal protective equipment (Section 8). Eating drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous do not reuse container.*

STORAGE: *Store between the following temperatures: 10 to 32.22°C (50-90°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a cool, and well-ventilated area, away from incompatible materials (see Section X) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.*

SECTION VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION INFORMATION

COMPONENT

Vinyl acetate

EXPOSURE LIMITS

ACGIH TLV (USA, 2/2010)

TWA: 10 ppm 8 hours

TWA: 35 mg/m³ 8 hours

STEL: 15 ppm 15 minutes

STEL 53 mg/m³ 15 minutes

OSHA PEL 1989 (USA, 3/1989).

TWA: 10 ppm 8 hours

TWA: 30 mg/m³ 8 hours

STEL: 20 ppm 15 minutes

STEL: 60 mg/m³ 15 minutes

NIOSH REL (USA, 6/2009).

CEIL: 4 ppm 15 minutes

CEIL: 15 mg/m³ 15 minutes

Consult local authorities for acceptable exposure limits.

Use only with adequate ventilation. If user operations generate dust, fumes, gas vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION:

RESPIRATORY: *Use a properly fitted, air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based*

on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

HANDS: *Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.*

EYES: *Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.*

SKIN: *Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling product.*

ENVIRONMENTAL EXPOSURE CONTROLS: *Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.*

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: *Liquid*
FLASH POINT: *Closed cup: > 93.33°C*
COLOR: *White*
ODOR DESCRIPTION: *Faint odor*
pH: *5.8 to 6.8*
BOILING/CONDENSATION POINT: *98.89°C*
BULK DENSITY: *N/A*
RELATIVE DENSITY: *1.02*
VOLATILITY: *43% (W/W)*
EVAPORATION POINT: *< 1 (butyl acetate =1)*
VOC (less water, less exempt solvents)
DISPERSIBILITY PROPERTIES: *Dispersible in the following materials: cold water.*

SECTION X: STABILITY AND REACTIVITY

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, HCL and CL₂.*

SECTION XI TOXICOLOGICAL INFORMATION

United States and Canada

ACUTE TOXICITY

Vinyl acetate *LC50 Inhalation Vapor (Rat) 11,400 mg/m³ 4 hours exposure*
LD50 Dermal (Rabbit) 2335 mg/kg
LD50 Oral (Rat) 2900 mg/kg

CHRONIC TOXICITY: *No known significant effects or critical hazards*

IRRITATION/CORROSION

Product *Skin-Primary dermal irritation (Rabbit) Index PDII 0.5 score, 24 hr. dose units 1.0 ml/rabbit, results read in 72 hours*

CONCLUSION/SUMMARY

EYES: *Moderately irritating to eyes*
RESPIRATORY: *Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.*

SENSITIZER: *No known significant effects or critical hazards.*

CARCINOGENICITY:

CLASSIFICATION	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
INGREDIENT						
Vinyl acetate	A3	2B	-	-	-	-

MUTAGENICITY: *No known significant effects or critical hazards.*

TERATOGENICITY: *No known significant effects or critical hazards.*

REPRODUCTIVE TOXICITY: *No known significant effects or critical hazards.*

SECTION XII: ECOLOGICAL INFORMATION

United States and Canada

ECOTOXICITY: *No known significant effects or critical hazards.*

AQUATIC ECOTOXICITY

Vinyl acetate

Acute LC50 10,000 to 100,000 ug/l Marine water, species;

Crustaceans- Crangon crangon- Larvae 48 hours exposure

*Acute LC50 14,000 ug/L Fresh water, species; Fish Pimephales- 1 day
96 hour exposure*

PERSISTENCE/DEGRADABILITY: *No known significant effects or critical hazards.*

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: *The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section VII: HANDLING AND STORAGE and Section VIII: EXPOSURE CONTROL/PERSONAL PROTECTION for additional handling information and protection of employees.*

SECTION XIV: TRANSPORTATION INFORMATION

Ground Transport (DOT) Classification: Not Regulated

SECTION XV: REGULATORY INFORMATION

United States

Hazard Communication Standard (HCS) Classification: Irritating material; Carcinogen

US Federal Regulations: TSCA 4 (a) final test rules: sodium hydroxymethanesulphinate

TSCA 8(a) PAIR: mequinol; Nonylphenol, branched, ethoxylated

TSCA 8(a) IUR Exempt/Partial exemption: Not determined

US TSCA 8b: all components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: None

SARA 302/304 emergency planning and notification: None

SARA 302/304/311/312 hazardous chemicals: None

SARA 311/312 MSDS distribution – chemical inventory – hazard
identification: None

SARA Title III Part 313: Not reportable

313 Reportable Ingredients: None

Clean Air Act Ozone Depleting Chemical Substances: None

Clean Air Act Hazardous Air Pollutants: None

Volatile Organic Compounds: None

With respect to FFDC 409, this product is considered an indirect food additive and is compliant with 21 CFR 175.105 for adhesives as an indirect food additive

FDA Compliance: 21 CFR 175.105, 16 CFR 1500.3(C)(4), 16 CFR 1500.3(C)(2)(i)

SECTION XVI OTHER INFORMATION

MSDS NUMBER _____ DATE ISSUED: _____)
BY: Priscilla MacLean _____ DATE REVISED: _____
TITLE: Product Development Manager _____ Replaces _____

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.

To the best of the supplier's knowledge, the information contained herein is accurate. However neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are only hazards that exist.

