

156896

**Richard & Brenda Marinace**  
10919 Green Valley Road  
Johnsville, Maryland 21791  
410 775-7706  
Marinace.erols.com

**Roberts Pest Control**  
7135 Collinsworth Place  
Frederick, Maryland 21703  
MDA Lic. No. 24534  
301 607-1407  
c/o Daniel Roberts, Certified  
Applicator/Owner

**Case File No. 233811/97ET**  
**Case file received 11/7/97**  
**First contact 11/7/97 left message on answering machine**

#### **Summary**

Mr. and Mrs. Marinace allege employees of Roberts Pest Control applied the pesticide Ficam Dust in such a manner as to allow them to become exposed to the pesticide. Mr. and Mrs. Marinace claim they have gotten ill from the being in contact with the Ficam Dust. On November 14, 1997 when I inspected the application site I observed what appeared to be Ficam Dust in an opening in the ceiling of the attic (see PP 2591 p 3). If the Ficam Dust were to fall from this hole then the air currents from the adjacent attic vent would have cause the dust to drift onto no target sites in the attic. Label Instructions State "In living areas make applications in such a manner as to avoid deposits on exposed surfaces or introducing the material into the air". As result of Roberts Pest Control the Ficam Dust was able to drift onto no target sites in the attic. Residue samples submitted to state chemist were positive for the presence of ficam dust on non-target sites. Mr. and Mrs. Marinace alleged that the application of Ficam Dust is the cause of their illness. Mr. and Mrs. Marinace stated to me that after they went into the attic that they would become ill. Mr. and Mrs. Marinace did not submit any medical records to confirm that their illness is due to exposure to Ficam Dust. COMAR 15.05.01.02 B.(3) (a)(b). Roberts Pest Control failed to observe all precautions in the use of a pesticide, which resulted in the pesticide movement from the intended site of application.

During the course of this investigation it became apparent that Roberts Pest Control was in violation of Pesticide Applicator Regulation pertaining to pesticide information. Mr. Roberts failed to provide pesticide information to Mr. and Mrs. Marinace prior to or at the time of their application. COMAR 15.05.01.16 requires that Roberts provide pesticide information when the pesticide is applied or at the time a customer enters into a contract with a licensee for pest control. On November 25, 1997 during my interview with Mr. Roberts, he stated to me that he provided the pesticide information at the same time that he provided the invoice for his service. Mr. Roberts stated that this was after he had completed his pesticide treatment for the bees. The Marinace deny having received any pesticide information other than what was written on the invoice.

Records COMAR 15.05.01.12 G. Roberts Pest Control records did not record the proper name of the pesticide applied and the correct EPA registration number. The application record identified as (DN 2952 page 2) listed the wrong EPA registration number for the Pesticide PT 565, in addition the common name of the pesticide applied should have been PT 565 Plus XLO.

November 12, 1997 I received by inter office mail case file folder no. 233811/97ET. File contained Richard & Brenda Marinace letter of complaint, regarding the application of Ficam dust to their home by Roberts Pest Control. I stamped the one page letter \* RECEIVED NOV 12 1997 ELLIS TINSLEY \*.

November 13, 1997 I spoke by phone to Daniel Roberts, Owner, Roberts Pest Control. Mr. Roberts said he treated the house/attic October 6, 1997 for yellow jackets. Mr. Roberts said he applied PT 565 to the exterior and that Lance Beers, Registered employee treated the attic by applying Ficam Dust to a hole in the attic. Mr. Roberts could not confirm if he had provided any pesticide information to Mr. or Mrs. Marinace. Mr. Roberts said the homeowners called about some of the Ficam Dust being in the attic. Mr. Roberts returned to the house November 6, 1997. Mr. Roberts said there was Ficam Dust in the attic and that he vacuumed up the exposed dust and that he also wiped

down the area. Mr. Roberts said he used a Hepa Filter in the vacuum when he cleaned the attic. I requested that Mr. Roberts fax to me a written statement, records for the application and the pesticide label for Ficam D. Mr. Roberts agreed to fax the requested documents. On November 13, 1997 I received a nine-page fax identified as DN 2592 from Dan Roberts. I stamped each page of the fax " RECEIVED NOV 13 1997 ELLIS TINSLEY ". I prepared a Collection Report for the fax and added the Collection Report and the entire fax to the case file.

### **Description of fax Identified as DN 2592**

**Page 1 Cover Sheet**

**Page 2 Roberts Pest Control Service Order/Invoice No. 1939 dated 10-6-97. Record for the application of Ficam Dust and PT 565 at 10919 Green Valley Rd Johnsville, MD 21791. Record appears to be incomplete/false. The EPA registration number listed for PT 565 is the registration number for PT 280 with Orthene.**

**Page 3 Dan Roberts one page handwritten statement.**

**Page 4 & 7 Ficam D Specimen Label**

**Page 5,6,8,9 Ficam D MSDS**

#### *Attachments*

*Nine page fax*

**November 14, 1997 I arrived at 10919 Green Valley Road Johnsville, Maryland 21791. A 150 year old residential home under going renovations. I properly identified myself to Brenda Marinace, Homeowner, by presenting to her my State Credentials and issuing to her a completed Notice of Inspection, which stated I was present to conduct a routine pesticide misuse investigation. Also present was Richard Marinace, Homeowner. Mr. and Mrs. Marinace said to me that on October 6, 1997 Mr. Roberts and a helper applied Ficam Dust in the attic of their home for the control of Yellow Jackets. Mr. Marinace said the helper applied the dust in such a manner that it drifted throughout the finished area of the attic. Mr. and Mrs. Marinace said that after this application they became ill. Mr. Marinace said he suspected lead poisoning. Mr. and Mrs. Marinace sought medical advice and they were informed their illness was not due to exposure to lead. No Medical records were available at this time. Mr. Marinace noticed that they became ill when they entered the portion of the attic where the Ficam Dust was applied. Mr. Marinace contacted Mr. Daniel Roberts, Owner, Roberts Pest Control. Mr. Roberts returned to the house and vacuumed up the Ficam Dust that was exposed in the attic. Mr. Marinace said even after the Ficam Dust was vacuumed there is still a white residue on articles in the attic and on the floor of the attic. Mr. Marinace suspects that the white residue is Ficam Dust and suspects that another pesticide may have also been used. I inspected the house and observed a white residue on the exposed surfaces in the attic. Wearing new impervious disposable gloves I swabbed with a new unused alcohol swab, the surface of a white plastic vent pipe located near the point where the pipe went through the roof. I placed the swab directly into a new unused glass vial identified as " SN 2590 sub 1 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. Wearing new impervious disposable gloves, I swabbed with a new unused alcohol swab, the exposed surface of a plastic Easter egg in an open box in the attic. I placed the swab directly into a glass vial identified as " SN 2590 sub 2 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. Wearing new unused impervious disposable gloves I swabbed with a new unused alcohol swab, the exposed surface of a black plastic bag in the attic. I placed the swab directly into a glass vial identified as " SN 2590 sub 3 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. I observed that the sewer gas pipe vent came up through a hole in the floor of the attic. I could observe the master bathroom through this hole. Which is located directly above the area where Mr. Marinace said the initial application of Ficam Dust was done. I inspected the master bathroom and observe a white dust on the shelving in the bathroom next to the sewer vent pipe. I also observed that new drywall had been installed in the bathroom and that there had been some sanding of the wall. Wearing new unused disposable gloves, I swabbed using a new unused alcohol swab, the exposed**

surface of the second shelf next to the vent pipe. I placed the swab directly into a new unused glass vial identified as \* SN 2590 sub 4 \* 11-14-97 ET \* Ficam dust D Residue \*. I replaced the Teflon lid of the glass vial. I collected from storage a new unused alcohol swab and placed the swab directly into a new unused glass vial identified as SN 2590 sub 5 \* 11-14-97 ET \* CONTROL \*. I replaced the Teflon lid of the glass vial. I placed all five-glass vial directly into an inverted poly bag and sealed the poly bag with a State Seal. I issued a receipt to Richard Marinace, Homeowner for the residue samples collected. I transported the samples collected to MDA and placed the samples in the Pesticide Regulation Field inspectors Freezer pending review by supervisor. I took five Polaroid Photographs of the application site. I wrote in the left border of the photographs PP 2591 p 1,2,3,4,5 \* 11-14-97 ET \*. I wrote in the bottom border of the photographs this inspector's comments regarding the subject of the photographs. All photographs were date stamped by the camera \* 11 14'97 \*. I added all the photographs to the case file. Mr. and Mrs. Marinace said that they did not have any records or receipt for the application of Ficam Dust and that the company had not provided any. I prepared a Collection Report for the residue samples and the Polaroid photographs. I added the Collection Reports 2590,2591 and the Notice of Inspection/Receipt to the case file.

#### **Description of Polaroid photographs identified as PP 2591 p 1,2,3,4,5**

**p 1** General view of attic. Photograph taken from attic steps.

**p 2** View of Sewer vent pipe in master bathroom. SN 2590 sub 4 collected from shelf.

**p 3** View of Sewer vent pipe where pipe enters attic ceiling. SN 2590 sub 1 collected from surface of pipe near purple stain.

**p 4** Plastic Easter Eggs and Easter basket in a box stored in the attic. SN 2590 sub 2 collected from surface of egg.

**p 5** Personal possessions stored in attic. SN 2590 3 collected from surface of plastic bag.

#### *Attachments*

*Notice of Inspection*

*Collection Report 2590, 2591*

*Five Polaroid photographs*

**November 17, 1997** I submitted samples to Dennis Howard MDA Enforcement Office and requested that the samples be submitted to state chemist because I suspect the application of Ficam Dust drifted onto non-target sites. I requested the sample be analyze for FICAM DUST D (Bendiocarb:(2,2 dimethyl-1,3 benzodioxol-4-yl)).

**November 19, 1997** I spoke by phone to Daniel Roberts. Mr. Roberts stated to me that the application record was incorrect. He listed the wrong EPA registration number for the pesticide PT 565. I scheduled an appointment for November 25 to interview Lance Beers, Applicator.

**November 25, 1997** I arrived at the office of Roberts Pest Control, located at 7135 Collinsworth Place Frederick, Maryland 21703. I properly identified myself to Daniel Roberts, Owner and his employee Lance Beers, by presenting to them my State Credentials. I issued to both a Notice of Inspection, which stated I was present to conduct a routine consumer complaint investigation. I interview Mr. Beers and obtained the following information. Mr. Beers said to me that on October 6, 1997 that he did apply Ficam dust to a hole in the ceiling of the attic and to a hole in the floor/wall nearby. Mr. Beers said to me that he used the pesticide according to the Ficam label identified as (2592 pg. 4 & 7). Mr. Roberts said to me that the Ficam label was the label that he had faxed to me at an earlier date. Mr. Beers said that he applied the Ficam dust to the holes in the attic using a hand pump duster. Mr. Beers said that during the application there was some drift but not enough to make him cough. Mr. Beers said Mr. Marinace was present during this application and did not complain about the application. Mr. Beers added that Mr. Marinace was standing on the attic steps, which is about 20 feet from the point of application. Mr. Beers said to me that his

status with the company is a trainee and that he has not worked on his own yet. Mr. Robert said he was present at the application site. Mr. Roberts said after Mr. Beer's application he did not see any cloud of dust or pile of dust in the attic after the application of Ficam Dust. Mr. Beers and Mr. Roberts said to me that when they returned to the application site, the owners had installed new plastic pipe in the attic. Mr. Beers said he did not recall such a large hole in the attic floor at the time of application. Mr. Beers suggested that the hole might have been made after the application. Mr. Roberts said that he did observe some dust in the attic near the hole in the ceiling. Mr. Roberts said that he purchased a new Eureka Hepa Vacuum. Mr. Roberts said that he vacuumed up the dust. Mr. Roberts said that he was concerned that the air current coming from an attic vent could move some of the dust. Mr. Roberts said that in addition to vacuuming he also wiped the attic down with a damp towel. Mr. Roberts said when he left the site there was no exposed Ficam dust in the attic. Mr. Roberts said that he would return to the home and clean the exposed dust residue that I had observed. Mr. Roberts suggested that the dust I had observed may have been caused by the owners installation of drywall. I told Mr. Roberts that I could not confirm if the dust I saw in the attic was caused by construction or by the application of Ficam Dust. That I would not know what the dust consisted of until the State Chemist completed their testing of swab samples that I had collected from the site. I asked Mr. Roberts if he had provided consumer information for the pesticide applied. Mr. Roberts said to me that he had provided the safety information on a form approved by this department. Mr. Roberts said he provided the pesticide information on the day of application after the application was completed. I asked Mr. Roberts about the EPA registration number for the pesticide PT 565. Mr. Roberts said that he had written the wrong number down on his application record. Mr. Roberts retrieved a can of PT 565 Plus XLO EPA registration number 499-310. Mr. Roberts said to me that he applied this product in the downstairs bathroom and to the exterior of the house. Mr. Roberts said that this pesticide was not applied in the attic. I collected from Mr. Beers a written statement and noted collecting his statement on the Notice of Inspection.

*Attachments*

*Two Notice of Inspection*

*Lance Beers written statement*

**December 4, 1997** I spoke by phone to Mr. Roberts. Mr. Roberts said to me that he had returned to Mr. Marinace home and cleaned the attic again. Mr. Roberts said that he washed down the attic with soap and water. Mr. Roberts said that he did not intend on returning to the house and if any additional cleaning was required it could be done by a professional cleaning service. Mr. Roberts said he did not believe the dust was from his application. Suggested it may have been from construction. Mr. Roberts said he would send written statement regarding cleaning of attic and pesticide labels from the original containers. Mr. Roberts also stated he would send a copy of his consumer information sheet.

**December 8, 1997** I spoke by phone to Mr. Marinace. Mr. Marinace said that Mr. Roberts and his wife had returned to his home and cleaned the attic with water. Mr. Marinace said that after this cleaning he and his wife had a reaction and had to leave the house for the night. Mr. Marinace said he sought medical treatment but that the doctors did not confirm a pesticide poisoning or exposure. Mr. Marinace requested Roberts's insurance information, which I provided. I requested that Mr. Marinace send to me a statement regarding his current health conditions. Mr. Marinace said that he would send a statement. Mr. Marinace wanted to have the air contained in his home tested. I told Mr. Marinace that this department did not do air sampling. I provided Mr. Marinace with the phone number for Environmental & Industrial and I told him that this company may do air sampling, but it would be done at his expense the state would not pay for the cost of sampling.

**December 9, 1997** I received by US Mail Mr. Roberts statement and the pesticide labels identified as DN 2597 doc 1 thru 4. I stamped the documents \* RECEIVED DEC 9 1997 ELLIS TINSLEY \*. I prepared a collection report and added the collection report and all documents received to the case file.

Description of documents received identified as DN 2597 doc 1 thru 4.

**Doc 1** Roberts two page hand written statement dated 12/4/97.

**Doc 2** PT 565 Plus XLO label.

**Doc 3** Ficam D label two pages.

**Doc 4** Consumer information sheets four pages.

*Attachments*

*Collection Report 2597*

*4 documents*

**December 31, 1997** I received by inter-office mail a report of analysis for the samples identified as DN 2590 sub 1 thru 5. The state chemist detected Bendiocarb in all of the sub samples except for the control sample.

**December 31, 1997** received a voice mail message from Mr. Marinace. Mr. Marinace stated he was in Florida and he could be reached at 954-255-7183. He also stated that he had brought a cat into the house and it had also become ill.

Spoke by phone to Daniel Roberts. Told him about result of lab results. Also asked if he was aware of a cat in the house. Mr. Roberts said he was not aware of any cats and that he had turned over complaint to his insurance company.

**January 13, 1998** I spoke by phone to company's insurance adjuster. He wanted to know status of file and health effects if any from exposure to Ficam dust. I did not provide any health information. I suggested that he contact manufacture and the Nation Pesticide Information Network.

Per DH he spoke by phone to Mr. Marinace while I was on leave. Mr. DH provided to Mr. Marinace results of residue samples.

**January 15, 1998** I spoke by phone to Mr. Marinace. Mr. Marinace claims he is unable to drive car and to live in the house. Mr. Marinace also claims that a relative pet cat got into his suitcase while he was in Florida and became ill. Mr. Marinace has still not submitted any medical records to confirm pesticide exposure is the cause of his and his wife's illness.

Ellis Tinsley  
Inspector

FAX

<b>To:</b>	<b>From:</b>	
Dennis Howard Department of Agriculture Pesticide Regulation Section  410-841-2765	Richard and Brenda Marinace 10919 Green Valley Road Johnsville, MD 21791	Date: Nov. 7, 1997 Number of Pages: 1 Phone: (410) 775-7706 Fax: (410) 775-7706 Marinace @ erols.com

**Remarks:**

We are contacting your agency after a referral was given to us by the Extosmet (EPA).

Our house was treated to get rid of yellow jackets (wasps) that were moving into a space under our roof on Oct. 6 with Ficam dust (bendiocarb).

The pesticide company we used was Roberts Pest Control, Frederick, MD. They climbed up a ladder on the outside and injected this dust into the opening where the wasps were entering. Another worker went inside, as we had seen some in our bathroom and attic. He apparently dusted the entire attic which is a finished room with clothes and boxes and plastic bags of decorative items, etc., stored in it. There are stairs leading down from this attic into our master bedroom closet. (The house is 150 years old and we are restoring it. We moved into the house in June of this year.)

After several weeks of strange health effects suffered by both of us, and several visits to a doctor who could not figure out what was wrong, we finally came to the realization that we were having strong reactions after going into the attic. We phoned Roberts and asked for the name of the product they used, which they said was bendiocarb (Ficam dust). They were alarmed that we were having health effects. They said they would come out and remove the dust from the attic, and said they phoned the manufacturer who told them to use a shop vacuum.

We did not like this idea as we were concerned it would spread the dust around. We suggested a HEPA vacuum. The owner searched around and purchased a HEPA vacuum and came to our house 2 days later to remove the dust. He brought along the worker who had applied the dust in the attic and explained that he had put way to much down. They then vacuumed. We had further effects that night, much like in the early days after the dusting. The EPA representative told us that the standard HEPA vacuum would not trap such fine dust as Ficam dust and that we had blown it into the air again.

We are concerned about making sure this is Ficam dust as Brenda has had more severe reactions and they, in some cases, seem to be the opposite of what Ficam would cause. We are getting cholinesterase levels taken today to see whether they can determine anything from this test.

We would like an inspector to check to see what is actually in our attic. We realize by having the pesticide operator back to vacuum that we have disturbed the site, but would appreciate whatever help you can give us.

The name of the manufacturer given to us by Roberts Pest Control was Agrevel. You gave me a name (Nor-am Chemical Co.) as the manufacturer along with an 800 number to call. When we phoned that number we reached something called ChemTrec which explained that they do not manufacture any chemicals and that we should call the company directly. We are still confused as to who to contact. We did not give you the correct name given us by the pest control company when we phoned. Could you perhaps see whether you can locate an Agrevel? Thank you very much.

Richard and Brenda Marinace

AR200013



State of Maryland

MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE REGULATION SECTION  
SAMPLE COLLECTION REPORT

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (410) 841-5710

DOCUMENT

1. SAMPLE

2592

2. DATE COLLECTED November 13, 1997		3. REGISTRATION NO. NA		4. ESTABLISHMENT NO. NA	
5. SAMPLE TYPE DOCUMENTARY		6. LOT OR BATCH NOS. NA		7. FLAG Case File No. 233811/57ET	
8. PRODUCT IDENTIFICATION (NAME, BRAND, ACTIVE INGREDIENTS, FIRM NAME and ADDRESS)  One nine page fax identified as "DN 2592".					
9a. APPLICATION SITE Richard & Brenda Mannace					
b. STREET ADDRESS 10919 Green Valley Road			c. CITY Johnsville	d. STATE Maryland	e. ZIP 21719
10a. APPLICATOR/FIRM Roberts Pest Control					
b. STREET ADDRESS 7136 Collinsworth Place			c. CITY Frederick	d. STATE Maryland	e. ZIP 21703
11. REASON FOR COLLECTION Routine pesticide misuse investigation.					
12. AMOUNT BEFORE SAMPLING .18					
13. DESCRIPTION OF SAMPLE AND METHOD OF COLLECTION November 13, 1997 I spoke by phone to Daniel Roberts, Owner, Roberts Pest Control. Mr. Roberts said he treated the house/attic October 6, 1997 for yellow jackets. Mr. Roberts said he applied PT 585 to the exterior and that Lance Beers, Registered employee treated the attic by applying Ficam Dust to a hole in the attic. I requested that Mr. Roberts fax to me a written statement, records for the application and the pesticide label for Ficam D. Mr. Roberts agreed to fax the requested documents. On November 13, 1997 I received a nine page fax identified as "DN 2592" from Dan Roberts. I stamped each page of the fax "RECEIVED NOV 13 1997 ELLIS TINSLEY". I added the entire fax to the case file.					
14. NOTICE OF INSPECTION ISSUED None spoke by phone to Daniel Roberts, Roberts Pest Control			15. RECEIPT FOR SAMPLES ISSUED None faxed documents	<input checked="" type="checkbox"/>	
16. REMARKS Description of fax identified as DN 2592  page 1 Cover Sheet page 2 Roberts Pest Control Service Order/Invoice No. 1239 dated 10-6-97. Record for the application of Ficam Dust and PT 585 at 10919 Green Valley Rd Johnsville, MD 21791. page 3 Dan Roberts one page handwritten statement. page 4 & 7 Ficam D Specimen Label page 5,6,8,9 Ficam D MSDS					

17. SAMPLE COST \$ .11	18. COLLECTION STATION MDA PEST REGS	19. COLLECTOR'S NAME & SIGNATURE Ellis Tinsley	20. DATE 11-13-97
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**ROBERTS PEST CONTROL**

7135 Collinsworth Place Frederick, Md 21703



(301) 607-1407

ELLIS,

TREATED MR. MARINALE AT 10919 GREENVALLEY RD.  
JOHNSVILLE MD. ON 10-6-97. THEY HAD A LARGE INFESTATION  
OF YELLOW JACKETS IN A WALL VOID. TREATED EXTERIOR +  
INTERIOR WALL VOID WITH FILAM DUST. WHEN THE  
WALL VOID IN THE ATTIC WAS TREATED APPARENTLY  
THERE WAS SOME DRAFT.

ON 11-4-97 MR. MARINALE CALLED AND INFORMED  
ME THAT THERE WERE SIGNS OF DUST IN HIS ATTIC.  
WE PURCHASED A VACUUM WITH A HEPA FILTER AND WENT  
TO INSPECT & CLEAN ANY SIGNS OF FILAM DUST ON  
11-6-97.

RECEIVED

NOV 18 1997

ELLIS TINSLEY

THANK YOU,  
DAN ROBERTS

"Let us put your pest to rest"

AR200015











RECEIVED  
NOV 18 1977

ELLIS TINSLEY

SECTION 11. TOXICOLOGICAL INFORMATION - Continued

**ACUTE TOXICITY** 7200 mg/kg (see study)  
**ACUTE TOXICITY** 2.40 mg/kg (see study) (see study)  
No mortality or morbidity was observed in rats exposed to this concentration.

The studies below were carried out with feedwater containing 100 ppm of the active ingredient. NOTE: This feedwater contained 1% Dieldrin.

**CHRONIC TOXICITY (MURKIN STUDY)**  
Mice from 30-day studies received 100 ppm of the active ingredient in their feedwater. No mortality or morbidity was observed in rats exposed to this concentration.

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Mice from 30-day studies received 100 ppm of the active ingredient in their feedwater. No mortality or morbidity was observed in rats exposed to this concentration.

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**CHRONIC TOXICITY (MURKIN STUDY)**  
Mice from 30-day studies received 100 ppm of the active ingredient in their feedwater. No mortality or morbidity was observed in rats exposed to this concentration.

SECTION 12. ECOLOGICAL INFORMATION

**TOXICITY TO TERRESTRIAL ORGANISMS**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

0871872

SECTION 12. ECOLOGICAL INFORMATION - Continued

**TOXICITY TO TERRESTRIAL ORGANISMS - Continued**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

SECTION 13. PERSONAL CONSIDERATIONS

**PERSONAL CONSIDERATIONS**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

SECTION 14. TRANSPORT INFORMATION

**TRANSPORT INFORMATION**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

SECTION 15. REGULATORY INFORMATION

**REGULATORY INFORMATION**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

SECTION 16. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL AND CHEMICAL PROPERTIES**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

SECTION 17. TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION**  
The product is highly toxic to birds exposed to direct treatment on Acrocyx...

AR200020

**PCAMP D**

**SECTION 4. FIRST AID MEASURES - Continued**

**ROUTE TO HOSPITAL**  
Persons exhibiting symptoms should be taken to a hospital immediately. In case of emergency, 3 mg epinephrine should be administered intravenously or 100 mg oral epinephrine should be given and repeated as necessary until fully recovered. Administer 2 aspirin tablets. Control hemorrhages with 10-20 mg of epinephrine intravenously. Administer 1 mg of atropine intravenously to relieve bradycardia.

**SECTION 5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**  
Flash point: 100°C (212°F)

**HEALTH AND ENVIRONMENTAL HAZARDS**  
When heated to the point of decomposition above 140°C or 280°F, hazardous gases are evolved which are highly combustible by fire or water.

**EXTINGUISHING MEDIA**  
Dry chemical, foam or water

**PRE-FIGHTING INSTRUCTIONS**  
Fire-fighting personnel should wear self-contained breathing apparatus. Use water to cool fire-exposed containers and personnel.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**GENERAL AND PERSONAL** Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary steps to prevent and/or contain the effects of the spill. Ensure that the spill is contained in its maximum volume before any final disposal operations. Notify the appropriate responsible individuals of the Section 15 (if applicable) Reportable Quantity (RQ) and other federal regulatory information.

**LAND SPILL AND LEAKS** KEEP PEOPLE AWAY. SWEEP UP OR STORMWATER VACUUM. AVOID THE FORMATION OF A DUST CLOUD. This material is a white powder and may be inhaled with water and dispersed in a white mist. Persons should wear the respirator and be instructed in its use. Do not allow this product to enter the environment and to contaminate and destroy. Persons should be notified if contamination has occurred.

**SECTION 7. HANDLING AND STORAGE**

**HANDLING PRECAUTIONS** SHALL BE OBSERVED THROUGH THE SKIN. DO NOT BREATHE DUST. DO NOT allow to contact skin, eyes or clothing. If contact occurs, immediately wash with soap and water, or eyes with clean water. Wash hands and exposed skin before eating, drinking and after handling. Wash of contaminated clothing thoroughly before reuse.

DO NOT use on or near machinery that is capable of other fuel or food areas. DO NOT use in burning, welding, grinding or heating. DO NOT use in contact with other products or food preservative surfaces. Clean, dry, clean and food containers.

**STORAGE PRECAUTIONS**

Store in a cool, dry place. DO NOT reuse empty container.

**PCAMP D**

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**WORKING CONDITIONS**  
Control dust levels by engineering controls. In case of emergency, 3 mg epinephrine should be administered intravenously or 100 mg oral epinephrine should be given and repeated as necessary until fully recovered. Administer 2 aspirin tablets. Control hemorrhages with 10-20 mg of epinephrine intravenously. Administer 1 mg of atropine intravenously to relieve bradycardia.

**ENVIRONMENTAL PROTECTION**  
Safety glasses.

**PERSONAL PROTECTION**  
Wear eye protection.

**RESPIRATORY PROTECTION**  
Wear a respirator.

Approved personal protective equipment has been provided. The degree of protection provided is a particular situation depends on factors such as concentration and duration. Always consult with an appropriate division & available from AHA/AAA.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE**  
White powder

**ODOR**  
Odorless

**BOILING POINT**  
Not applicable

**MELTING POINT**  
Not applicable

**RELATIVE DENSITY**  
Not applicable

**WATER SOLUBILITY**  
Not applicable

**VAPOUR PRESSURE**  
Not applicable

**FLASH POINT**  
Not applicable

**EXPLOSION LIMITS**  
Not applicable

**PERMEATION COEFFICIENT**  
Not available (non-solvent)

**SECTION 10. STABILITY AND REACTIVITY**

**STABILITY**  
Stable

**CONDITIONS TO AVOID**  
Heat and moisture.

**HAZARDOUS DECOMPOSITION PRODUCTS**  
When heated to the point of decomposition above 140°C or 280°F, hazardous gases are evolved which are highly combustible by fire or water. It also generates atmospheric oxides of carbon and nitrogen.

**HAZARDOUS POLYMERIZATION**  
Not applicable

**TOXICITY**  
See Section 11 for information.

**ECOLOGICAL TOXICITY**  
See Section 12 for information.

**ENVIRONMENTAL TOXICITY**  
See Section 13 for information.

**PCAMP 0**

**ADJUDICATED - (S) WITH INFORMATION**

**NEED MEDICAL ASSISTANCE - HEALTH**  
- HEALTH  
- ACTIVITY / MESSAGES  
- PNC

**NEED MEDICAL ASSISTANCE - HEALTH**  
- HEALTH  
- ACTIVITY / MESSAGES  
- Social, Med, Health

**NEED IDENTIFICATION COORDINATOR: 00000**

**PREPARED BY: Dept. of Regulatory Affairs PHONE: (302)453-3001**  
**SUPPLEMENTAL INFO DATED: 08/19/92**

**DATE AND TIME OF PRINTING: 07/29/94 09:17:39**

**NEED MEDICAL ASSISTANCE: Change to a new ACCESS NUMBER 2-0000 only**  
**subject must be reviewed, reprinted from Access 8/1/92.**

**DISCLAIMER OF EXCESSIVE AND UNWARRANTED INFORMATION**

**THIS INFORMATION IS PROVIDED IN GOOD FAITH  
BUT WITHOUT EXPRESSED OR IMPLIED WARRANTY**

**RECEIVED**

Nov 18 1992

ELLIS TINSLEY



MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE APPLICATOR LAW SECTION

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (301) 841-5710

State of Maryland

TIME OF INSPECTION		DATE	HOUR	AM PM
NAME OF INDIVIDUAL <i>Brenda Marinace</i>		TITLE <i>Homeowner</i>		
NAME (Firm, Farmer, Homeowner, etc.) <i>Richard + Brenda MARINACE</i>		ADDRESS (Number, Street, City, State and Zip Code) <i>10919 GREEN VALLEY ROAD Johnsville, Maryland 21791</i>		
PHONE NO. <i>410-775-7706</i>				
SIGNATURE OF MDA EMPLOYEE <i>Ellis E. Tinsley Jr. Ellis E. Tinsley Jr.</i>		TITLE <i>Inspector IV</i>		

REASON FOR INSPECTION: TO DETERMINE COMPLIANCE WITH THE MARYLAND PESTICIDE APPLICATOR'S LAW AND PURSUANT REGULATIONS

- For the purpose of inspecting and obtaining copies of records.
- For the purpose of interviewing individuals to collect data for a pesticide investigation/pest inspection.
- For the purpose of inspecting sites where pesticides are being used to collect data on the use of pesticides.
- For the purpose of inspecting sites where pesticides have been used.
- For the purpose of inspecting and obtaining samples of any pesticides or devices packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices in places where pesticides or devices are held for distribution or sale.
- For the purpose of inspecting sites where a pest inspection was conducted.

VIOLATIONS SUSPECTED: *None: Routine pesticide misuse investigation*

The purpose of this inspection/investigation is hereby acknowledged.

Signature: *Brenda Marinace*  
Owner, Operator, or Agent

RECEIPT FOR SAMPLES

SAMPLE NUMBER(S) *SN 2590 sub 1, 2, 3, 4, 5.*

SAMPLES COLLECTED (Describe fully, List Registration, Lot, Batch, Model, Serial Numbers and other positive identification)

The following pesticide and/or environmental samples were collected by the Md. Dept. of Agriculture in connection with the administration and enforcement of The Maryland Pesticide Applicators Law and Regulations.

*4. Collected four Alcohol swabs identified as SN 2590 sub 1, 2, 3, 4 of Exposed surfaces in the Attic + MASTER BATHROOM of the Application site. One control sample identified as SN 2590 sub 5. I took five Polaroid photographs identified as PP 2591 p 1, 2, 3, 4, 5 of the application site.*

SIGNATURE (Owner, Operator, or Agent) <i>Brenda Marinace</i>	TITLE (Owner, Operator, or Agent) <i>OWNER OF HOME</i>
SAMPLES WERE: <input type="checkbox"/> PURCHASED <input checked="" type="checkbox"/> RECEIVED NO CHARGE	SIGNATURE OF MDA EMPLOYEE <i>Ellis E. Tinsley Jr.</i>





State of Maryland

MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE REGULATION SECTION  
SAMPLE COLLECTION REPORT

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (410) 841-5710

1. SAMPLE

No 2590

2. DATE COLLECTED November 14, 1997	3. REGISTRATION NO. 46639-3	4. ESTABLISHMENT NO. UNKNOWN
5. SAMPLE TYPE Residue	6. LOT OR BATCH NOS. UNKNOWN	7. FLAG Caution

8. PRODUCT IDENTIFICATION (NAME, BRAND, ACTIVE INGREDIENTS, FIRM NAME and ADDRESS)  
  
Four glass vials identified as " SN 2590 sub 1,2,3,4 " 11-14-97 ET " Ficam D Residue "  
  
One glass vial identified as " SN 2590 sub 5 " 11-14-97 ET " CONTROL "

9a. APPLICATION SITE  
Richard & Brenda Marinace

b. STREET ADDRESS 10919 Green Valley Road	c. CITY Johnsville	d. STATE Maryland	e. ZIP 21791
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10a. APPLICATOR/FIRM  
Roberts Pest Control

b. STREET ADDRESS 7136 Collinsworth Place	c. CITY Frederick	d. STATE Maryland	e. ZIP 21703
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11. REASON FOR COLLECTION  
routine pesticide misuse investigation

12. AMOUNT BEFORE SAMPLING  
NA

13. DESCRIPTION OF SAMPLE AND METHOD OF COLLECTION  
November 14, 1997 I arrived at 10919 Green Valley Road Johnsville, Maryland 21791. A 180 year old residential home under going renovations. I properly identified myself to Brenda Marinace, Homeowner, by presenting to her my State Credentials and issuing to her a completed Notice of Inspection, which stated I was present to conduct a routine pesticide misuse investigation. Also present was Richard Marinace, homeowner. Mr. and Mrs. Marinace said to me that on October 6, 1997 Mr. Roberts and a helper applied Ficam Dust in the attic of their home for the control of Yellow Jackets. Mr. Marinace said the helper applied the dust in such a manner that it drifted throughout the finished area of the attic. Mr. and Mrs. Marinace said after this application they became ill. Mr. Marinace said he suspected lead poisoning. Mr and Mrs. Marinace sought medical advice and was informed their illness was not due to exposure to lead. No Medical records were available at this time. Mr. Marinace noticed that they became ill when they entered the portion of the attic where the Ficam Dust was applied. Mr. Marinace contacted Mr. Daniel Roberts, Owner, Roberts Pest Control. Mr. Roberts returned to the house and vacuumed up the Ficam Dust that was exposed in the attic. Mr. Marinace said even after the Ficam Dust was vacuumed there is still a white residue on articles in the attic and on the floor of the attic. Mr. Marinace suspects that the white residue is Ficam Dust and suspects that another pesticide may have also been used. I inspected the house and observed a white residue on the exposed surfaces in the attic. Wearing new impervious disposable gloves I swabbed with a new unused alcohol swab the surface of a white plastic sewer gas vent pipe located near the point where the pipe went thru the roof. I placed the swab directly into a new unused glass vial identified as " SN 2590 sub 1 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. Wearing new impervious disposable gloves, I swabbed with a new unused alcohol swab, the exposed surface of a plastic Easter egg in an open box in the attic. I placed

14. NOTICE OF INSPECTION ISSUED Brenda Marinace, Homeowner	X	15. RECEIPT FOR SAMPLES ISSUED Richard Marinace, Homeowner	X
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16. REMARKS  
the swab directly into a glass vial identified as " SN 2590 sub 2 " 11-14-97 ET " Ficam dust D Residue " I replaced the Teflon lid of the glass vial. Wearing new unused impervious disposable gloves I swabbed with a new unused alcohol swab, the exposed surface of a black plastic bag in the attic. I placed the swab directly into a glass vial identified as " SN 2590 sub 3 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. I observed that the sewer gas pipe vent came up through the a hole in the floor of the attic. I could observe the master bathroom through this hole. Which is located directly above the area where Mr. Marinace said the initial application of Ficam Dust was done. I inspected the master bathroom and observe a white dust on the shelving in the bathroom next to the sewer vent pipe. I also observed that new drywall had been installed in the bathroom and that there had been some sanding of the wall. Wearing new unused disposable gloves, I swabbed using a new unused alcohol swab, the exposed surface of the second shelf next to the vent pipe. I placed the swab directly into a new unused glass vial identified as " SN 2590 sub 4 " 11-14-97 ET " Ficam dust D Residue ". I replaced the Teflon lid of the glass vial. I collected from storage a new unused alcohol swab and placed the swab directly into a new unused glass vial identified as SN 2590 sub 5 " 11-14-97 ET " CONTROL ". I replaced the Teflon lid of the glass vial. I placed all five glass vial directly into an inverted poly bag and sealed the poly bag with a State Seal. I issued a receipt to Richard Marinace, Homeowner for the residue samples collected. I transported the samples collected to MDA and placed the samples in the Pesticide Regulation Field inspectors Freezer pending review by supervisor.

Suspect the application of Ficam Dust drifted onto non target sites/ Company pesticide application records also report the application of PT 555 which contains Pvrerthins.\*

PT 555 and Ficam D Labels attached  
  
Please analyze for FICAM DUST D (Bendiocarb:(2,2 dimethyl-1,3 benzodioxol-4-yl))

PROFF
OF
ANALYSIS
✓
ROUTINE

17. SAMPLE COST \$ NC	18. COLLECTION STATION PESTICIDES	19. COLLECTOR'S NAME & SIGNATURE Ellis E Tinsley Jr. Ellis E Tinsley Jr.	20. DATE 11-14-97
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MDA-D-351

AR200024

# Ficam® D

## 1% DUST INSECTICIDE

*\*NOT FOR SALE OR USE IN CALIFORNIA*

ACTIVE INGREDIENT:	Percent by Weight
Bendiocarb: (2,2-dimethyl-1,3 benzodioxol-4-yl methycarbamate).....	1%
INERT INGREDIENTS: .....	99%
	100%

\*Protected by U.S. Patent No. 4,056,625

• Ficam is a registered trademark of AgrEvo UK Limited.

PRECAUTION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

EPA REG. NO. 45639-3

EPA EST. NO.

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

#### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give-g by mouth to an unconscious person. Get medical attention.

**IF INHALED:** Keep patient strictly at rest and transfer to hospital immediately to get medical attention.

**IF ON SKIN:** Wash with soap and warm water.

**IF IN EYES:** Rinse thoroughly with clean water.

**NOTE TO PHYSICIAN:** Contains anticholinesterase carbamate insecticide. In cases of over-exposure, atropine sulfate-2 mg. (equivalent to 1/30 grain adult dose) should be given and repeated as necessary until fully atropinized.

#### NET CONTENTS:

**IMPORTANT:** Read the entire Directions for Use, Precautions, and Disclaimer of Warranties before using this product.

### PRECAUTIONARY STATEMENTS Hazards To Humans & Domestic Animals

#### CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Do not breathe dust. Do not allow to contact skin, eyes or clothing. If contact occurs, wash skin with soap and warm water, or eyes with clean water. Wash hands and exposed skin before eating, drinking or smoking and after handling. Wash all contaminated clothing thoroughly before reuse.

**FIRST AID:** If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention. If inhaled, keep patient strictly at rest and transfer to hospital immediately to get medical attention.

#### Environmental Hazards

This pesticide is toxic to fish and wildlife. 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 watermark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### PRECAUTIONS

Do not use on or contaminate fruit, vegetables, or other food or feed crops. Do not apply to humans, animals, clothing, or bedding.

Do not contaminate feed or food products or food preparation surfaces, dishes, kitchen utensils and food containers.

**IN CASE OF FIRE, LEAKY, OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.**

#### STORAGE AND DISPOSAL

**Storage:** Store in a cool, dry place. Do not reuse empty container.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### Container Disposal:

**Fiber Drum—**Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

**Poly Tub -** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



# PT<sup>®</sup> 565 Pyrethrin Insect Fogger

### DIRECTIONS FOR USE

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

### HOW TO USE WHITMIRE CRACK AND CREVICE INJECTION SYSTEM:

Whitmire PT<sup>®</sup> 565 is for use only with the supplied accumulator and injection tubes or other Whitmire equipment. Inject PT<sup>®</sup> 565 into cracks and crevices where insects may be harboring, living and breeding. Place injector tip 1/2" into cracks and crevices. Release approximately one-second spray per spot. For a serious infestation, place spots approximately 12" apart. For light infestation or for preventative treatment place spots approximately three feet apart. In long narrow cracks, move injector tip along the crack while spraying at the rate of three linear feet per second for a light infestation. For heavy infestations move injector tip along at one linear foot per second. Repeat as necessary.

**FLYING INSECTS:** Cluster Fly, Flies, Fruit Flies, Gnats, Mosquitoes, Small Flying Moths. **GENERAL VOLUMETRIC TREATMENT:** Close all windows and doors and direct fog upward at a rate of 1 to 3 seconds per 1000 cu. ft. (1/2 to 1 1/2 seconds per 1000 cu. ft. for 8 to 15 lb size due to delivery rate). Disperse in all locations. Keep area closed for 15 min. Open and ventilate before reoccupying. Repeat treatment as necessary.

**CRAWLING INSECTS:** Ants, Booklice, Centipedes, Clover Mites, Crickets, Millipedes, Roaches, Silverfish, Sow Bugs, and Spiders. Inject into cracks and crevices in all hiding places behind baseboards, skids, cabinets, meter boxes, doorframes, windows. General Volumetric treatment: Open cabinets and doors in area to be treated. Shut off air conditioners, fans and close doors and windows before spraying. Spray at rate of 20 seconds per 1000 cu. ft. of space for 8 to 15 lb. size. 10 seconds per 1000 cu. ft. Direct spray toward area suspected of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep area closed for minutes. Open and ventilate before reoccupying. Repeat treatment as necessary.

**Bed Bugs:** Take bed apart and treat cracks, joints and interior of framework. Mattresses and box springs should be treated, especially tufts, folds, and edges. Picture frames, moldings and all cracks and crevices in the room should also be treated. Do not use in hospital patient quarters.

**Mud Dauber and Wasp Nests:** Spray mist directly on insects and their nests from approximately 2 ft. distance. Contacted insects will fly away from fog. Applications should be made in late evening when insects are at rest. Spray into hiding and breeding places contacting as many insects as possible.

**Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites in exposed adult and larval stages, Granary Weevils, Red Flour Beetles, Rice Weevils, and Sawtoothed Grain Beetles.** Contact as many insects as possible. Inject into cracks and crevices, excluding processing and handling equipment. Drift around controls, and containers, and other areas where these insects tend to congregate. General Volumetric Treatment: Spray 20 seconds per 1000 cu. ft. of space for 8 to 15 lb size. Spray 10 seconds per 1000 cu. ft. Repeat treatment weekly or as insects appear. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**Assessmone Grain Moth, Chocolate Moth, Indian Meal Moth, Mediterranean Flour Moth:** Close all doors and windows. Direct spray into all parts of room, especially around stored product containers, pallets and dunnage areas. Spray 5 to 10 seconds to reach 1000 cu. ft. of space for 8 to 15 lb size. Spray 2 1/2 to 5 seconds per 1000 cu. ft. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Repeat treatment weekly or as necessary. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**A PRESCRIPTION TREATMENT Insecticide** from Whitmire Research Laboratories, Inc., St. Louis, MO 63122 Copyright, 1986

**Fleas in building - General Volumetric Treatment:** Hold aerosol 36" above floor and direct spray toward floor and lower walls at a rate of 10 seconds per 1000 sq. ft. (5 seconds per 100 sq. ft. for 8 to 15 lb. unit) making sure that all floor, sofa and chair surfaces are contacted. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days or as necessary.

For exposed stages of ants, beetles, centipedes, cockroaches, crickets, millipedes, silverfish, sowbugs and spiders harboring in void, calculate void volume and treat at a rate of 20 seconds per 1000 cu. ft. for 8 to 15 lb. size. 10 seconds per 1000 cu. ft. Repeat treatment as necessary.

**OUTDOOR GROUND APPLICATION:** Flies, Gnats and Mosquitoes in open areas near building and in carry-ports. Best results are obtained when wind speed is less than 10 MPH or less. Apply at a rate of 60-80 seconds per acre. For 8 to 15 lb size. Spray 30-40 seconds per acre. Spray in wide swaths across area to be treated. Allow spray mist to penetrate dense foliage. Repeat treatment as necessary.

### STORAGE AND DISPOSAL:

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

**Storage:** Store in a cool, dry area away from heat or open flame that is inaccessible to children.

**Pesticide Disposal:** Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Replace cap and discard empty container in trash, sanitary landfill, or by other approved state and local procedures. Do not incinerate or puncture.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed or absorbed through skin. Do not eat in treated area and ventilate the area after treatment is completed. Avoid breathing of vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly after eating and before smoking or eating. Do not contaminate water, food, or foodstuffs. Remove all pets and birds. Cover fish tanks or remove before spraying. In hospitals, patients should be removed from room prior to spraying. Do not return patients to room until after ventilation.

**FOOD AREAS OR FOOD HANDLING ESTABLISHMENTS:** Foods should be removed or covered during treatment. Food contact surfaces and equipment must be washed with an effective cleaning compound followed by a potable water rinse after treatment. When using this product as a space spray, apply only when plant is not in operation. Except in Federally inspected meat and poultry plants, careful crack and crevice application for inspection purposes is permissible at all times.

**NOTICE TO APPLICATOR:** During any general volumetric treatment, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.

**ENVIRONMENTAL HAZARDS -** This product is toxic to fish, birds, and other wildlife. Do not apply directly to water, or to areas where surface water is present or to terrestrial areas below the mean high water mark. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS -** Contents under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not spray on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc.

**WARNING:** Contains 1,1,1 Trichloroethane, a substance which harms public health and the environment by destroying ozone in the upper atmosphere.

## FOR USE WITH SYSTEM III<sup>TM</sup> OR HAND HELD USE



# PT<sup>®</sup> 565 Pyrethrin

## Insect Fogger

**Kills:** Assorted Grain Moths, Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Cockroaches, Confused Flour Beetles, Cuckoo, Drug Store Beetles, Flies, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, House Flies, Indian Meal Moths, Mediterranean Flour Moths, Millipedes, Mosquitoes, Mud Daubers, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish Small Flying Moths, Sow Bugs, Spiders, Stable Flies, and Wasps.

**For Use in and Around:** Campgrounds, Food Storage Areas, Homes, Hospitals, Hotels, Meat Packing and Food Processing Plants, Motels, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks, Planes), Utilities, Warehouses, and other Commercial and Industrial Buildings.

Active Ingredients:	
Pyrethrin.....	6.50%
Piperonyl Butoxide, Technical.....	1.00%
n-Octyl Cycloheptene Dicarbodiide.....	1.00%
Inert Ingredients.....	87.50%
Equivalent to 0.05% (Butylcarbitol) (β-Propylpiperonyl) Ether and 0.2% Related Compounds	
EPA Reg. No. 498-192 EPA Est. No. 498-310-1	

### KEEP OUT OF REACH OF CHILDREN

### CAUTION STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.

**IF INHALED:** Remove patient to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected skin areas with soap and water. Get medical attention if irritation persists.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

See side panel for additional precautionary statements.

Authorized by USDA for use in federally inspected meat and poultry plants.

Manufactured by Whitmire Research Laboratories, Inc., St. Louis, MO 63122



State of Maryland

MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE REGULATION SECTION  
SAMPLE COLLECTION REPORT

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (410) 841-5710

DOCUMENT

1. SAMPLE

2591

2. DATE COLLECTED November 14, 1997	3. REGISTRATION NO. .1A	4. ESTABLISHMENT NO.
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5. SAMPLE TYPE Photographic	6. LOT OR BATCH NOS. .1A	7. FLAG Case File No. 233811/97ET
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8. PRODUCT IDENTIFICATION (NAME, BRAND, ACTIVE INGREDIENTS, FIRM NAME and ADDRESS)

Five Polaroid photographs identified as "PP 2591 p 1,2,3,4,5" of the application site.

9a. APPLICATION SITE  
Richard & Brenda Marinace

b. STREET ADDRESS 10919 Green Valley Road	c. CITY Johnsville	d. STATE Maryland	e. ZIP 21719
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10a. APPLICATOR/FIRM  
Roberts Pest Control

b. STREET ADDRESS 7135 Collinsworth Place	c. CITY Frederick	d. STATE Maryland	e. ZIP 21703
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11. REASON FOR COLLECTION  
Routine pesticide misuse investigation.

12. AMOUNT BEFORE SAMPLING  
nil

13. DESCRIPTION OF SAMPLE AND METHOD OF COLLECTION

November 14, 1997 I arrived at 10919 Green Valley Road Johnsville, Maryland 21791. A 180 year old residential home under going renovations. I properly identified myself to Brenda Marinace, Homeowner, by presenting to her my State Credentials and issuing to her a completed Notice of Inspection, which stated I was present to conduct a routine pesticide misuse investigation. Also present was Richard Marinace, Homeowner. I took five Polaroid Photographs of the application site. I wrote in the left border of the photographs PP 2591 p 1,2,3,4,5 11-14-97 ET. I wrote in the bottom border of the photographs this inspector's comments regarding the subject of the photographs. All photographs were date stamped by the camera 11 14'97. I added all the photographs to the case file.

14. NOTICE OF INSPECTION ISSUED Brenda Marinace, Homeowner	15. RECEIPT FOR SAMPLES ISSUED Richard Marinace, Homeowner
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16. REMARKS

Description of Polaroid photographs identified as PP 2591 p 1,2,3,4,5

- p 1 General view of attic. Photograph taken from attic steps.
- p 2 View of Sewer vent pipe in master bathroom. SN 2590 sub 4 collected from shaft.
- p 3 View of Sewer vent pipe where pipe enters attic ceiling. SN 2590 sub 1 collected from surface of pipe near purple stain.
- p 4 Plastic Easter Eggs and Easter basket in a box stored in the attic. SN 2590 sub 2 collected from surface of egg.
- p 5 Personal possessions stored in attic. SN 2590 3 collected from surface of plastic bag

17. SAMPLE COST \$ .00	18. COLLECTION STATION MDA PEST REGS	19. COLLECTOR'S NAME & SIGNATURE EHS E. Trustler To E. Trustler	20. DATE 11-14-97
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PP2591P1 11-14-97BT



General VIEW of ATTIC 10919  
GREENVILLE Road Johnsonville MO

PP2591P2 11-14-97BT



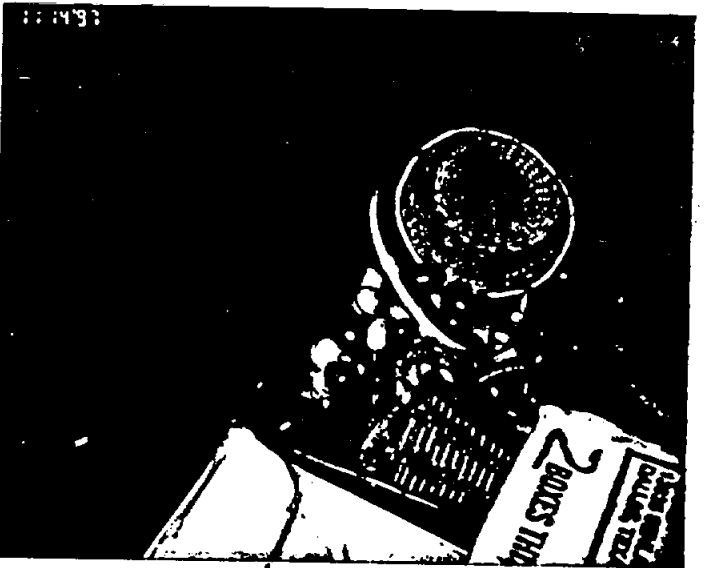
SEWER Vent Pipe MASTER BEDROOM Bath-  
Room - below Attic SN 2590 sub 4  
Collected FROM Shell

PP2591P3 11-14-97BT

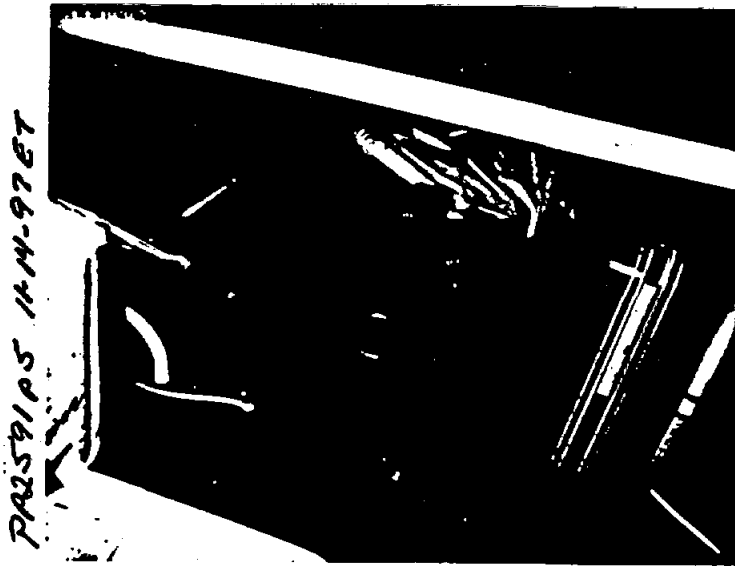


SEWER VENT PIPE ATTIC CEILING  
SN 2590 sub 1 collected from above  
epic stain of pipe

PP2591P4 11-14-97BT



EASTER EGGS / BASKET in ATTIC  
SN 2590 sub 2 collected from  
purple egg



PA2591P5 11-14-97BT

Personal Possession ATTIC  
SN2590 sub 3 collection site

AR200029



MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE APPLICATOR LAW SECTION

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (301) 841-5710

State of  
Maryland

NOTICE OF INSPECTION		DATE <i>November 25, 1997</i>	HOUR <i>2:00</i>	AM <i>P.M.</i>
NAME OF INDIVIDUAL <i>DANIEL Roberts</i>		TITLE <i>OWNER</i>		
NAME (Firm, Farmer, Homeowner, etc.) <i>Roberts Pest Control</i>		ADDRESS (Number, Street, City, State and Zip Code) <i>7135 COLLINSWORTH PLACE FREDERICK, MARYLAND 21703</i>		
PHONE NO. <i>301-607-1407</i>				
SIGNATURE OF MDA EMPLOYEE <i>Ellis E. Tinsley Jr. C. W. C. Pringle Jr.</i>		TITLE <i>Inspector II</i>		

REASON FOR INSPECTION: TO DETERMINE COMPLIANCE WITH THE MARYLAND PESTICIDE APPLICATOR'S LAW AND PURSUANT REGULATIONS

- For the purpose of inspecting and obtaining copies of records.
- For the purpose of interviewing individuals to collect data for a pesticide investigation/pest inspection.
- For the purpose of inspecting sites where pesticides are being used to collect data on the use of pesticides.
- For the purpose of inspecting sites where pesticides have been used.
- For the purpose of inspecting and obtaining samples of any pesticides or devices packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices in places where pesticides or devices are held for distribution or sale.
- For the purpose of inspecting sites where a pest inspection was conducted.

VIOLATIONS SUSPECTED: *None: Routine consumer complaint investigation. MARRINAGE vs Roberts PEST CONTROL.*

The purpose of this inspection/investigation is hereby acknowledged.

Signature: *[Signature]*  
Owner, Operator, or Agent

RECEIPT FOR SAMPLES

SAMPLE NUMBER(S)

SAMPLES COLLECTED (Describe fully, List Registration, Lot, Batch, Model, Serial Numbers and other positive identification)

The following pesticide and/or environmental samples were collected by the Md. Dept. of Agriculture in connection with the administration and enforcement of The Maryland Pesticide Applicators Law and Regulations.

NATURE (Owner, Operator, or Agent)

TITLE (Owner, Operator, or Agent)

SAMPLES WERE:

PURCHASED  RECEIVED NO CHARGE

SIGNATURE OF MDA EMPLOYEE

STATEMENT

Case No. or Reference

Page \_\_\_ of \_\_\_

STATE

COUNTY

CITY

Richard + Brenda Morrison  
10919 Green Valley Road  
Tehoville Md 21791

Treatment on 10/16/97 at above address  
in the attic application Method with Duster  
I pumped twice ~~water~~ in Hole in the Floor  
about 4ft from window and one pump in void  
in Ceiling small drift came out of ceiling.

I hereby affirm that the foregoing statement is true to the best of my knowledge

James Beers  
SIGNATURE

\_\_\_\_\_  
TITLE

NAME, ADDRESS, AND PHONE NO.

7135 Collinsworth Pl. Frederick Md 21703 301/607-1417

Statement taken before me at (City and State)

11-21-97  
DATE

\_\_\_\_\_  
SIGNATURE OF MDA REPRESENTATIVE





State of Maryland

MARYLAND DEPARTMENT OF AGRICULTURE  
PESTICIDE REGULATION SECTION  
SAMPLE COLLECTION REPORT

50 HARRY S. TRUMAN PARKWAY  
ANNAPOLIS, MARYLAND 21401  
PHONE (410) 841-5710

DOCUMENT

2597

2. DATE COLLECTED 1-Dec-97		3. REGISTRATION NO. NA		4. ESTABLISHMENT NO. NA	
5. SAMPLE TYPE Documentary		6. LOT OR BATCH NOS. NA		7. FLAG Case File No. 233811/97	
8. PRODUCT IDENTIFICATION (NAME, BRAND, ACTIVE INGREDIENTS, FIRM NAME and ADDRESS) Four documents identified as * DN 2597 doc 1 thru 4 *					
9a. APPLICATION SITE Richard & Brenda Marinace					
b. STREET ADDRESS 10919 Green Valley Road		c. CITY Johnsville		d. STATE Maryland	e. ZIP 21719
10a. APPLICATOR/FIRM Roberts Pest Control					
b. STREET ADDRESS 7135 Collinsworth Place		c. CITY Frederick		d. STATE Maryland	e. ZIP 21703
11. REASON FOR COLLECTION Pesticide misuse investigation					
12. AMOUNT BEFORE SAMPLING					
13. DESCRIPTION OF SAMPLE AND METHOD OF COLLECTION December 4, 1997 I spoke by phone to Mr. Roberts. Mr. Roberts said to me that he had returned to Mr. Marinace home and cleaned the attic again. Mr. Roberts said that he washed down the attic with soap and water. Mr. Roberts said he would send written statement regarding cleaning of attic and pesticide labels from the original containers. Mr. Roberts also stated he would send a copy of his consumer information sheet. December 9, 1997 I received by US Mail Mr. Roberts statement and the pesticide labels identified as DN 2597 doc 1 thru 4. I stamped the documents * RECEIVED DEC 9 1997 ELLIS TINSLEY *. I prepared a collection report and added the collection report and all documents received to the case file.					
14. NOTICE OF INSPECTION ISSUED			15. RECEIPT FOR SAMPLES ISSUED		
16. REMARKS None X None X Description of documents received identified as DN 2597 doc 1 thru 4. Doc 1 Roberts two page hand written statement dated 12/4/97. Doc 2 PT 565 Plus XLO label. Doc 3 Ficam D label two pages. Doc 4 Consumer Information sheets four pages.					

17. SAMPLE COST \$ NC	18. COLLECTION STATION MDA PEST REG	19. COLLECTOR'S NAME & SIGNATURE Ellis E Tinsley To Edg... 12-9-97	20. DATE 12-9-97
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December 4, 1997

Tuesday 11-25-97 - I contacted Mr. Marinace about coming over to his house to do some additional cleaning in his attic. I asked when would be a good day & time - He stated that him & his wife were going to N.C. for Thanksgiving to call on mom. 12-1-97.

Monday 12-1-97 - I contacted Mr. Marinace, he said Tuesday 12-2-97 would be fine.

Tuesday 12-2-97 - My wife and I went to Mr. Marinace's house - wiped down complete floor, all boxes, and bags. There was insulation setting out, Mr. Marinace asked if I would put the insulation in a trash bag - So I did, I vacuumed that area - Rewiped floor areas and wiped the steps. (Trash bag placed in trash) I offered Mr. Marinace to hire someone

DEC 09 1997

AR200033

to seal off the 2 holes in the attic  
He said OK. I told Mr. Marinace  
the persons name is Chuck - he will  
call to schedule a day.

Wednesday 12-3-97 - Mr. Marinace called  
me and said to cancel anyone coming  
over to seal the holes - that him & his  
wife were sick - Mr. Marinace said  
everytime someone goes in the attic they get  
sick? <sup>Mr. Marinace</sup> stated that they were going  
to leave the house. ?

12-3-97 - I called my insurance to let  
them know of situation.

12-3-97  
ERRIS LIVEREX  
DEC 3 1997

**Whitmore** PT 565 Plus XLO

**DIRECTIONS FOR USE**

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

**HOW TO USE WHITMIRE CRACK AND CREVICE INJECTION SYSTEM:** Use Whitmire PT 565 Plus XLO only with the supplied sprayer and injection tubes or other Whitmire equipment. Inject PT 565 Plus XLO into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approximately one-second of product. For light infestations move sprayer to along cracks while treating at the rate of three linear feet per second. For heavy infestations move injector tip along at one linear foot per second. For closed voids calculate the void's cubic area and treat at the rate of five to ten seconds per three cubic feet. Several holes may be required in long-running voids. Repeat as necessary.

**FLYING INSECTS:** (Chestnut Fly, Flies, Fruit Flies, Gnats, Mosquitoes, Small Flying Insects) **GENERAL VOLUMETRIC TREATMENT:** Close all windows and doors and direct fog upward at a rate of 1 to 3 seconds per 1000 cu. ft. Disperse in all locations. Keep area closed for 15 min. Open and ventilate before reoccupying. Repeat treatment as necessary.

**ANTS:** Booklice, Centipedes, Clover Mites, Crickets, Millipedes, Roaches, Silverfish, Sowbugs, and Spiders: Inject into cracks and crevices in all hiding places behind baseboards, sills, cabinets, miter boxes, doorframes, windows. **GENERAL VOLUMETRIC TREATMENT:** Open cabinets and doors in areas to be treated. Turn off all conditioners and fans and close doors and windows before treating. Apply at the rate of 20 seconds per 1000 cu. ft. of space. Disperse toward area suspected of harboring the greatest insect infestation. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 minutes. Open and ventilate the treated area before reoccupying. Repeat treatment as necessary.

**Bed Bugs:** Take bed apart and treat cracks, joints and interior of framework. Treat mattresses and box springs; especially tufts, folds, and edges. Also treat picture frames, moldings and all cracks and crevices in the room. Do not use in hospitals patient rooms.

**Widows and Bees:** For treatment of these pests inside structural voids locate all insect entrances. Close all but one opening. Determine size of void. Inject 5 to 10 seconds per three cubic feet of void into remaining opening. For best results treat at dusk or later.

For exposed adult and larval stages of Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Drug Store Beetles, Grain Mites, Granary Weevils, Red Flour Beetle, Rice Weevils, and Sawtoothed Grain Beetles: Contact as many insects as possible. Inject into cracks and crevices of pantries, cabinets, food process. ing and handling equipment and other places where insects harbor. Apply around cartons, and containers and other areas where these insects tend to congregate.

**GENERAL VOLUMETRIC TREATMENT:** Apply 20 seconds of 1000 cu ft of space. Repeat treat most weekly or as insects appear. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**Angoumois Grain Moth, Chocolate Moth, Indian Meal Moth, Mediterranean Flour Moth:** Close all doors and windows. Direct into all parts of room, especially around stored product containers, pallets, and dunnage areas. Apply 5 to 10 seconds for each 1000 cu ft. of space. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Repeat treatment weekly or as necessary. Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this purpose.

**PLEAS IN BUILDINGS - GENERAL VOLUMETRIC TREATMENT:** Hold product 36" above floor and direct toward floor and lower walls at a rate of 10 seconds per 100 sq. ft. making sure that all floor, sills and chair surfaces are contacted. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment after 7 days or as necessary.

**Ticks:** Holding container 36" above the floor, direct PT 565 Plus XLO toward pet beds and resting quarters. Treat adjacent cracks and crevices such as behind baseboards and edges of carpet and floor covers. Treat higher cracks such as upper door jams and window framing, behind pictures and other areas where females may come to lay eggs. Repeat treatment as necessary.

**VOLUMETRIC TREATMENT FOR VOID AREAS:** (Walls, base ceilings, crawl spaces, wall and equipment voids.) For application with Whitmire Crack & Crevice injector, injector tubes or other Whitmire equipment.

For exposed stages of ants, beetles, centipedes, cockroaches, crickets, millipedes, silverfish, sowbugs and spiders harboring in voids, calculate void volume and treat at a rate of 20 seconds per 1000 cu. ft. Repeat treatment as necessary.

**OUTDOOR GROUND APPLICATION:** Flies, Gnats and Mosquitoes in open areas near buildings and in campgrounds. Best results are obtained when wind speed is five (5) MPH or less. Apply at a rate of 1.5 to 2 seconds per thousand square feet. Apply in wide swaths across area to be treated. Allow treatment to penetrate dense foliage. Repeat treatment as necessary.

**STORAGE AND DISPOSAL**

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

**STORAGE:** Store in a cool area away from heat or open flame. **PESTICIDE DISPOSAL:** Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Replace cap and discard empty container in such, sanitary landfill or by other approved state and local procedures. Do not puncture or incinerate.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or absorbed through skin. Do not remain in treated area and ventilate the area after treatment is completed. Avoid breathing of vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly after using and before smoking or eating. Do not contaminate water, food, or feed-stuffs. Remove all pets and birds. Cover fish tanks or remove before treating. In hospitals, patients should be removed from room prior to treatment. Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

**FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:** Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. When using this product, apply only when plans to not in operation.

**NOTICE TO APPLICATOR:** During any general volumetric treatment, wear a pesticide respirator, properly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.

**ENVIRONMENTAL HAZARDS:** This pesticide is highly toxic to fish. Do not apply directly to water, or to areas where surface water is present or to terrestrial areas below the mean highwater mark. Drift from treated areas may be hazardous to organisms in adjacent aquatic areas.

**PHYSICAL OR CHEMICAL HAZARDS:** Extremely Flammable. Containers under pressure. Keep away from heat, sparks, and open flame. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not spray on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc. Product should only be used when room temperature is above 60°F. If room temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.

**LIMITATION OF LIABILITY**

Manufacturer warrants that this product conforms to the chemical description on the label. Buyer assumes all risks of use in handling which are at variance in any way with the directions on the label. MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. DAMAGES CAUSED BY THIS PRODUCT ARE LIMITED TO REPLACEMENT OF THE PRODUCT OR RETURN OF THE PURCHASE PRICE.

A Prescription Treatment® brand pesticide from Whitmire Research Laboratories, Inc., St. Louis, Missouri 63122 Copyright, 1992 Patent Pending

**FOR SYSTEM III  
OR HAND HELD USE**



**PT® 565 Plus  
XLO™**

**Contact Insecticide**

**KILLS:** Angoumois Grain Moths, Ants, Bed Bugs, Booklice, Carpet Beetles, Centipedes, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cluster Flies, Cockroaches, Confused Flour Beetles, Crickets, Dreg Store Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, House Flies, Indian Meal Moths, Mediterranean Flour Moths, Millipedes, Mosquitoes, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Small Flying Moths, Sowbugs, Spiders, Stable Flies, Ticks and Wasps.

For Use in and Around: Apartments, Campgrounds, Food Storage Areas, Homes, Hospitals, Hotels, Meat Packing and Food Processing Plants, Motels, Nursing Homes, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks, Planes), Utilities, Warehouses, and other Commercial and Industrial Buildings.

Authorized by USDA for use in Federally inspected meat and poultry plants.

**ACTIVE INGREDIENTS:**

- Pyrethrins . . . . . 0.25%
- d-trans Allethrin . . . . . 0.25%
- \*Piperonyl Butoxide, Technical . . . . . 1.00%
- n-Octyl Bicycloheptene Dicarboximide . . . . . 1.00%
- INERT INGREDIENTS:** . . . . . 97.50%

\*Equivalent to 0.8% (Butylcarbaryl) (6-Propylpiperonyl) Ether and 0.2% Related Compounds

Contains no CFCs or other ozone depleting substances. Federal regulations prohibit CFC propellants in aerosols.

EPA REG. NO. 499-310 EPA EST. NO. 489-MO-1

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. Do not induce vomiting. Vomiting may cause aspiration pneumonia.

**IF INHALED:** Remove patient to fresh air. Apply artificial respiration if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected skin areas with soap and water. Get medical attention if irritation persists.

**IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

See side panel for additional precautionary statements.

Whitnife® PT® 565 XLO™

# INSEPECTOR®

## Contact insecticide

1.5: Argonauts Grain Moths, Ants, Booklice, Carpet Moths, Centipedes, Chocolate Moths, Cigarette Beetles, Ver Mites, Cuscuta Fleas, Cockroaches, Confused Flour Moths, Chalcids, Dungstore Beetles, Fleas, Fruit Flies, 35: Grain Mites, Granary Weevils, Horn Flies, House Flies, Indian Meal Moths, Mediterranean Flour Moths, Podex, Mosquitoes, Red Flour Beetles, Rice Weevils, Woodruff Grain Beetles, Silverfish, Small Flying Moths, Wasps, Spiders, and Stable Fleas.

Use in and around, but not limited to: Food Storage as, Homes, Hospitals, Hotels, Food Processing Plants, Vets, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Transportation (Buses, Boats, Ships, Trains, Trucks, Planes), Hives, Warehouses, and other Commercial and Industrial Buildings.

**THE INGREDIENTS:**

ethins..... 0.50%

eronyl Butoxide, Technical..... 1.00%

o-ethyl Bicycloheptane Decaboundine 1.00%

RT INGREDIENTS:..... 81.50%

ivalent to 0.8% (Bicycloheptyl(6-Propylpiperonyl) or and 0.2% Related Compounds

ants no CFSS or other ozone depleting substances. Federal regulations prohibit CFC propellants in aerosols. A Reg. No. 498-299 EPA Est. No. 498-MO-1

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

**STATEMENT OF PRACTICAL TREATMENT**

**SMALLOWER:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated immediately; taken internally. Do not induce vomiting. Vomiting if cause aspiration pneumonia.

**MALLETS:** Remove person to fresh air. Apply artificial respiration if indicated.

**ON SKIN:** Remove contaminated clothing and washed area with soap and water. Get medical attention when persists.

**IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**SECTION FOR USE:** side panel for additional precautionary statements.

**SECTION FOR USE:** a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**Key Insects:** Cuscuta Fly, Fleas, Fruit Flies, Gnats,

Mosquitoes, Small Flying Moths. **GENERAL VOLUME TRIC TREATMENT:** Close all windows and doors and direct treatment upward at a rate of 1 to 3 seconds per 1000 cu. ft. Disperse in all locations. Keep area closed for 15 min. Open and ventilate before reoccupying. Repeat treatment as necessary.

**Ants, Booklice, Centipedes, Clover Mites, Crickets, Millipedes, Roaches, Silverfish, Sowbugs, and Spiders, hatched into cracks and crevices in all hiding places behind baseboards, sills, cabinets, meter boxes, door frames, windows. GENERAL VOLUME TRIC TREATMENT:** Open windows and doors in area to be treated. Shut off air conditioners, fans and close doors and windows before treating. Spray at rate of 20 seconds per 1000 cu. ft. of space. Direct spray toward area suspected of harboring the greatest insect infestations. Disperse in all locations contacting as many insects as possible. Keep area closed for 15 minutes. Open and ventilate before reoccupying. Repeat treatment as necessary.

**Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Dungstore Beetles, Grain Mites in exposed adult and larvae stages, Granary Weevils, Red Flour Beetles, Rice Weevils, and Sawtoothed Grain Beetles.** Contact as many insects as possible; hatched into cracks and crevices, including processing and handling equipment. Use around corners and containers, and other areas where these insects tend to congregate.

**GENERAL VOLUME TRIC TREATMENT:** Treat 20 seconds per 1000 cu. ft. of space. Repeat treatment weekly or as insects appear.

**Argonauts Grain Moth, Chocolate Moth, Indian Meal Moth, Mediterranean Flour Moth:** Close all doors and windows. Direct spray into all parts of room, especially around stored product containers, pallets, and daterated areas. Treat 5 to 10 seconds for each 1000 cu. ft. of space. Keep area closed for 15 minutes following treatment. Open and ventilate before reoccupying. Repeat treatment weekly or as necessary.

**VOLUME TRIC TREATMENT FOR UNACCESSIBLE SPACES:** (Walls, false ceilings, wall and equipment voids.) For application with Whitnife Crak & Crevice Injection equipment.

For exposed stages of ants, beetles, centipedes, cockroaches, crickets, millipedes, silverfish, sowbugs and spiders harboring in void, calculate void volume and treat at a rate of 20 seconds per 1000 cu. ft. Repeat treatment as necessary.

### STORAGE AND DISPOSAL

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

**Storage:** Store in a cool area away from heat or open flame.

**Pesticide Disposal:** Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Replace cap and discard empty container in trash, sanitary landfill, or by other approved state and local procedures. Do not incinerate or puncture.

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or absorbed through skin. Do not remain in treated area and ventilate the area after treatment is completed. Avoid breathing of vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly after using and before smoking or eating. Do not contaminate water, food, or foodstuffs. Remove all pets and birds. Cover fish tanks or remove before treating.

**FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS:** Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse before using. When using this product as a space spray, apply only when plant is not in operation. Careful crack and crevice application for inspection purposes is permissible at all times.

**NOTICE TO APPLICATOR:** During any general volume treatment, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under the provisions of 30 CFR Part 11.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish, birds, and other wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Apply this product only as specified on this label.

**PHYSICAL OR CHEMICAL HAZARDS:** Extremely Flammable. Contents under pressure. Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting. Do not apply directly to plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc.

Copyright, 1992, Whitnife Research Laboratories, Inc.  
St. Louis, MO 63122

# Ficam<sup>®</sup>D

## DIRECTIONS FOR USE

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

FICAM<sup>®</sup>D is a ready-for-use insecticide dust which has given effective knockdown and residual control of the pests listed.

FICAM D is for residual pest control in and on buildings and structures and their immediate surroundings and on modes of transport. Permitted areas of use include, but are not limited to: stores; warehouses; industrial buildings; houses; apartment buildings; mausoleums; laboratories; schools; nursing homes; hospitals; restaurants; hotels; food manufacturing, processing, and servicing establishments; and on vessels, rail cars, aircraft, buses, trucks, and trailers.

FICAM D is intended for application with hand or power duster, or with a paint brush, or by other suitable means, to hiding and runway areas and those places where pests are found.

In living areas, make applications in such a manner as to avoid deposits on exposed surfaces or introducing the material into the air.

To apply insecticide directly into cracks and crevices, use a bulbous duster or other suitable equipment. Apply lightly and uniformly to infested areas. Pay particular attention to: cracks and crevices; service ducts; false floors and ceilings; wall voids; around electrical and telephone fittings and equipment; around water and sewer pipes; under and behind cabinets, refrigerators, and sinks; around window and door frames; along baseboards; in attics; and crawl spaces. The amount to be applied will vary with the site but should usually be in the range of 1/3 to 2/3 ounces of FICAM D per square yard. Control of pests is frequently best achieved by using FICAM D in conjunction with spray treatments of FICAM<sup>®</sup>W. Repeat treatments as necessary to maintain adequate control.

### INDOOR USE

**COCKROACHES (INCLUDING BOTH NONRESISTANT AND ORGANOPHOSPHATE AND ORGANOCHLORINE RESISTANT STRAINS), ANTS, CRICKETS, SILVERFISH AND FIRE BRATS:** Apply thoroughly to all areas where these pests crawl and hide, especially in cracks and crevices and hidden surfaces around sinks and storage areas, behind baseboards, around doors and windows, behind and under refrigerators, cabinets, sinks and stoves and in attics and crawl spaces. For ants, apply to ant trails, around doors and windows and other places where ants enter premises.

**CARPENTER ANTS:** Apply around doors and windows and other places where ants enter premises and where they crawl and hide. Also force dust into infested wood through existing openings or newly drilled small holes. When possible locate and treat nests and surrounding areas.

**TERMITES:** Apply FICAM D to voids or channels in damaged wooden members of a structure, or to cracks, spaces or bearing joints between wooden members of a structure or between such members and the foundations, in locations vulnerable to termite attack. Drilling may be necessary prior to applying FICAM D to voids cracks or joint spaces in vulnerable locations and to channeled sections of wood, but it must be recognized that such drilling and treating of a timber in place may not result in complete coverage of infested and vulnerable voids or galleries.

The purpose of such applications of FICAM D is to kill workers or winged reproductive forms which may be present in the treated channels and spaces at the time of treatment and to impart a temporary resistance at these places to termite attack which may aid, in some part, in the prevention of immediate reinfestation by termites. Such applications are not a substitute for mechanical alteration, soil treatment, or foundation treatment but merely a supplement, particularly where use of other insecticides may pose an odor problem.

**BROWN DOG TICKS AND FLEAS IN BUILDINGS:** Apply dust to infested areas such as pet beds and resting quarters, nearby cracks and crevices under the edges of rugs and floor coverings, between and under cushions of upholstered furniture, and other areas where these pests may be present. Old bedding of pets should be removed and replaced with clean fresh bedding after treatment of pet areas. Additionally, treat pets with an EPA-approved product registered for direct application to pets. Do not treat animals or their bedding with this product.

**SPIDERS:** Apply along and behind baseboards, to window and door frames, corners, pipes, storage localities, attics, crawl spaces, and other areas over which these pests may crawl.

**WASPS AND BEES:** It is generally advisable to treat wasp and bee nests in the evening when insects are less active and have returned to the nest. Wear protective clothing if deemed necessary to avoid stings. Using hand or power duster or other suitable means, with extension tubes if necessary, thoroughly dust nest and entrance and surrounding areas where insects alight. Nests in wall voids can be located by listening with your ear against the wall. Drill a hole in the area, blow dust in, and reseal. For *Ground Wasps*, dust entrance and surrounding areas. For best results check nests carefully one or two days after treatment to ensure complete kill, then remove and destroy nest to prevent emergence of newly-hatched insects. If removal is not feasible, retreat the nest, if necessary. Do not use this product to treat overhead nests.

**SOWBUGS, PILLBUGS, GROUND BEETLES, EARWIGS, MILLIPEDES, CENTIPEDES, AND SCORPIONS:** Apply around doors and windows and other places where these pests may enter premises. Treat baseboards, storage areas and other locations where these pests are found.

**PANTRY PESTS—GRAIN BEETLES (RUSTY, MERCHANT AND SAW-TOOTHED), FLOUR BEETLES (RED AND CONFUSED), DRUGSTORE BEETLES, RICE WEEVILS, LESSER GRAIN BORERS, SPIDER BEETLES, AND TOBACCO MOTHS:** Treat exposed stages. Apply dust in cracks and crevices behind and under cupboards and cabinets for residual control. Do not apply directly on food, utensils, or food storage areas.

**CARPET BEETLES (BLACK, FURNITURE, AND VARIED):** Dust where these insects are found, for example: on and under edges of floor coverings, under rugs and furniture, and in closets.

**PHORID FLIES:** To control phorid fly in mausoleums, apply 2 oz. of FICAM D per crypt. Repeat application as needed when pests become evident.

**WEBBING CLOTHES MOTHS:** Use FICAM D as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on the clothes. Do not apply FICAM D to clothing.

AR200037

# Ficam<sup>®</sup>D

**FOOD HANDLING ESTABLISHMENTS:** Places other than private residences in which food is held, processed, prepared, or served.

**FOOD AREAS:** Application limited to spot or crack and crevice treatments only. For spot treatments, no individual spot will exceed two (2) square feet.

This use includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas when food is exposed and facility is in operation are also considered food areas.

Apply in small amounts directly into cracks and crevices using a bulbous duster or other equipment capable of applying insecticide directly into cracks and crevices between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where *Cockroaches, Ants, Silverfish, Firebrats, Spiders, and Crickets* hide.

Spot treatment may also be made to areas where any of the above pests hide or inhabit such as baseboards, storage areas, closets, around water pipes, doors, and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment and under drawers and similar areas.

Make applications in a manner to avoid deposits on exposed surfaces or introducing the material into the air. Avoid contamination of food or foodprocessing surfaces.

**NON-FOOD AREAS:** FICAM D maybe used as a crack and crevice treatment or as a spot application in non-food areas. All areas where insects hide or through which insect may enter should be treated.

This product is authorized for use in non-food areas of Federally Inspected Meat and Poultry Plants.

## O U T D O O R

**PERIMETER TREATMENT:** Use FICAM D as a residual treatment for control of *Ants, Bees, Brown Dog Ticks, Centipedes, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Ground Beetles, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders, and Wasps*. Make a residual treatment around windows and doors, porches, screens, eaves, patios, garages, under stairways, and in crawl spaces and other areas where pests hide.

To help prevent invasion of building and structures by the above pests, treat a band of soil and vegetation 6 to 10 feet wide around and adjacent to the building or structure. Also treat the building foundation and crawl spaces where pests are active and may find entrance. Apply thoroughly and uniformly to the band area. Pay particular attention to ant hills and wasp nests in the band area. Wasp and bee nests in trees and shrubs may be treated as noted above.

Rodent burrows, runways and harborage areas in this barrier area should be thoroughly treated to control fleas associated with rodents.

**COCKROACHES IN SEWERS:** Apply 7 oz. of FICAM D per manhole using a power duster for knockdown and short-term population suppression. Where longer residual control (30 days) is desired, apply 14 oz. of FICAM D per manhole.

**FIRE ANTS:** Stir 7 oz. of FICAM D into 2 gallons of water. Pour a small amount of material around the perimeter of the mound. Apply the remaining volume directly on the mound so as to penetrate insect galleries, using 2 gallons of mixture on mounds 8 inches or larger in diameter. Less mixture can be used on smaller mounds; however thorough penetration of the insect galleries must be achieved. A second treatment may be necessary if complete control is not obtained.

Do not disturb the mound prior to application. If possible, make applications after a recent rainfall. Applications may not be as effective during hot, dry periods. If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.

**FLEAS IN RODENT BURROWS:** Apply 2 oz. FICAM D per burrow. Apply as needed to control fleas. Use hand or power duster for application. In bait-dust stations, apply 4 oz. of FICAM D per station. Place a minimum of one station per campsite. Replenish stations regularly.

Treat for a minimum of 5 days for light rodent populations, 10 days when populations are dense.

If abandoned rodent burrows are suspected of containing fleas, apply 2 oz. of FICAM D per burrow.

## IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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AR200038



## ROBERTS PEST CONTROL

7135 Collinsworth Place Frederick, Md 21703

(301) 607-1407

Poison Control Center

1-800-492-2414

MDA # 24534

### CATEGORY VII

Common Name: acephate (Orthene)

Practical Treatment: If swallowed, get medical attention immediately. In case of eye contact, immediately flush eyes with fresh water for 15 minutes. Get medical attention if irritation persists.

Precautionary Statement: Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Post Application Information: Do not replace the food packages until the surface has dried. Replace shelving paper. Dishes and food handling utensils should be thoroughly washed in soap and water if exposed to contamination by the application of this product. Do not allow children or pets to contact treated surfaces until spray has dried.

Common Name: 4-aminopyridine (Avitrol)

Practical Treatment: If swallowed contact your Poison Control Center, hospital or physician immediately. If in eyes: flush with plenty of water. Get medical attention if irritation persists. If on skin: Wash thoroughly with soap and water.

Precautionary Statement: Poisonous if swallowed. Harmful if absorbed through skin. May cause eye irritation. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

Environmental Hazard: This pesticide is toxic to birds and fish. Wildlife feeding on treated bait may be killed.

Common Name: bendiocarb (Ficam)

Practical Treatment: If swallowed get medical attention. If inhaled keep patient strictly at rest and transfer to hospital immediately to get medical attention. If on skin wash with soap and warm water. If in eyes rinse thoroughly with clean water.

Precautionary Statement: Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with eyes, skin and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water. Avoid breathing and working in spray mist or dust.

Environmental Hazard: This product is toxic to fish, birds, and other wildlife. Birds feeding on treated area may be killed. This product is highly toxic to bees exposed to direct treatment or to residues on plants.

Post Application Information: Do not permit children or pets to contact treated surfaces until spray has dried completely.

Common Name: boric acid (Pro! Roach Kill)

Precautionary Statement: Harmful if swallowed.

Common Name: brodifacoum (Talon)

Practical Treatment: If bait is eaten by humans, call a physician at once. For 24-hour emergency assistance call ICI Americas Inc. 302/575-3000. If bait is eaten by animals or pets, call the National Animal Poison Control Center 217/333-3611 or ICI Americas Inc. 302/575-3000 for 24-hour emergency assistance.

Precautionary Statement: May be harmful or fatal if swallowed. Keep away from humans, domestic animals, and pets.

Environmental Hazard: This product is toxic to fish, birds and wildlife. This product can pose a secondary hazard to birds of prey and mammals.

Common Name: bromadiolone (Conrac, Maki)

Practical Treatment: May be harmful or fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. If swallowed, call a physician at once.

Precautionary Statement: Keep away from humans, domestic animals and pets. May be harmful or fatal if swallowed or absorbed through the skin because this material may reduce the clotting ability of the blood and cause bleeding. Do not get in eyes, on skin, or on clothing. If swallowed, call a physician at once.

Environmental Hazard: This product is toxic to fish and wildlife.

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**Common Name:** bromethalin (Vengeance)

**Precautionary Statement:** May be harmful or fatal if swallowed. Causes eye irritation. Avoid contact with skin, eyes, or clothing. In case of accidental contact, flush eyes or skin with water and wash contaminated clothing. Seek medical attention immediately if ingested or if breathing difficulty occurs or irritation persists.

**Environmental Hazard:** This product is toxic to fish, birds, and other wildlife.

**Common Name:** cholecalciferol (Quintox)

**Practical Treatment:** If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Avoid use of all oils.

**Precautionary Statement:** Keep away from humans, domestic animals, and pets.

**Common Name:** chlorpyrifos (Dursban)

**Practical Treatment:** If swallowed call a physician or Poison Control Center immediately. If on skin wash with plenty of soap and water. Get medical attention. If inhaled remove to fresh air.

**Precautionary Statement:** Harmful if swallowed, harmful if absorbed through skin, causes substantial but temporary eye injury.

**Environmental Hazard:** This pesticide is toxic to birds and other wildlife and extremely toxic to fish and aquatic organisms.

**Post Application Information:(General Information)** Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Remove pets and cover fish bowls (tanks) before spraying. Do not allow adults, children or pets on treated areas until spray has dried. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock, nor use hay for livestock bedding.

**Post Application Information:(Indoor Broadcast Sprays)** Other than the applicator, treated areas should be vacated during application.

**Post Application Information:(Wood-Infesting Insects Control)** Do not permit humans or pets to contact treated surfaces until spray has dried. Following treatment thoroughly ventilate treated areas before they are reoccupied. Buildings (office building, for example) with restricted air flow should have the ventilation system adjusted to include outside air for 24 hours.

**Common Name:** cyfluthrin (Tempo)

**Practical Treatment:** If eyes are contaminated, flush eyes with plenty of water. Call a physician if irritation persists. If swallowed, call a physician or Poison Control Center. If on skin, wash skin immediately with soap and warm water. Get medical attention. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**Precautionary Statement:** Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

**Environmental Hazard:** This pesticide is toxic to fish. Remove from premises or tightly cover fish tanks when applying indoors where such containers are present.

**Common Name:** cypermethrin (Cynoff, Demon)

**Practical Treatment:** If in eyes flush with plenty of water. Get medical attention if irritation persists. If on skin, wash with plenty of soap and water. If swallowed, contact a physician or Poison Control Center. For 24-hour emergency assistance, call ICI Americas Inc. 302/575-3000.

**Precautionary Statement:** Harmful if swallowed or absorbed through skin. Causes eye irritation. Do not get in eyes, or skin or on clothing.

**Environmental Hazard:** This product is extremely toxic to fish.

**Common Name:** diazinon (Diazinon)

**Practical Treatment:** If swallowed, call a physician or Poison Control Center immediately. If inhaled, remove victim to fresh air. Apply artificial respiration if indicated. If on skin, remove contaminated clothing and wash affected areas with soap and water. If in eyes, flush eyes with plenty of water. Call a physician immediately.

**Precautionary Statement:** May be fatal if swallowed. May be absorbed through the skin. Do not breathe spray mist. Do not get in eyes, on skin or on clothing. Keep children and pets off treated areas until this material is washed into the soil and grass is dry.

**Environmental Hazard:** This product is toxic to fish, birds, and other wildlife. Birds and other wildlife feed on treated areas may be killed. This product is highly toxic to bees exposed to direct treatment or residues remaining on crops.

AR200040

Common Name: diphacinone (P.C.Q., Romar, Rodent Cake)

Practical Treatment: If swallowed by humans, pets, wildlife or domestic animals, this material may reduce the clotting ability of the blood and cause bleeding. In case of ingestion, call a physician.

Precautionary Statement: Treated baits must be placed in locations not accessible to children, pets, wildlife and domestic animals, or in tamperproof bait stations.

Common Name: hydramethylnon (Maxforce)

Practical Treatment: If swallowed, get medical attention. In case of emergency, call collect, day or night. 201-835-3100.

Precautionary Statement: May be harmful if swallowed.

Common Name: hydroprene (Gencor)

Practical Treatment: If in eyes, immediately flush with gently flowing water for at least 15 minutes--if irritation persists, get medical attention. If swallowed, call a physician. If on skin, wash thoroughly with soap and water. If skin irritation occurs, call a physician. Remove contaminated clothing and wash before reuse.

Precautionary Statement: Causes temporary eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. May cause dermal sensitization.

Common Name: methoprene (Precor)

Practical Treatment: In case of contact, immediately flush skin or eyes with plenty of water. Get medical attention if irritation persists.

Precautionary Statement: Harmful if absorbed through skin. Avoid contact with skin or eyes.

Common Name: pyrethrum (PT 150)

Practical Treatment: If in eyes, flush with plenty of water. If irritation persists get medical attention.

Precautionary Statement: Avoid inhalation of spray mist. Avoid contact with skin and eyes.

Post Application Information: Keep rooms vacated for minimum of two hours and ventilate before patients are returned. All food processing surfaces should be covered during treatment or thoroughly cleaned before using.

#### WHITHIRE

Common Name: pyrethrins, piperonyl butoxide (PT 170A)

Practical Treatment: If in eyes, immediately flush eyes with plenty of water. Get medical attention if irritation persists. If swallowed, call a physician or Poison Control Center immediately. If on skin, remove contaminated clothing and wash affected areas with soap and water. If inhaled, remove patient to fresh air. Apply artificial respiration if indicated.

Precautionary Statement: Avoid breathing of spray mist. Avoid contact with eyes, skin or clothing. In case of contact flush eyes or skin with water.

Environmental Hazard: This pesticide is toxic to fish and birds.

Post Application Information: All food contact surfaces and cooking utensils should be covered during treatment or thoroughly cleaned before using. Remove pets and birds and cover aquariums before using.

Common Name: diazinon (PT 260)

Practical Treatment: If swallowed, call a physician or Poison Control Center immediately. If inhaled, remove patient to fresh air. Apply artificial respiration if indicated. If on skin, remove contaminated clothing and wash affected areas with soap and water. If in eyes, flush eyes with plenty of water. Get medical attention immediately.

Precautionary Statement: May cause eye irritation. Harmful if swallowed or inhaled. May be absorbed through the skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes, or clothing.

Environmental Hazard: This product is toxic to fish, birds and other wildlife.

Post Application Information: Keep children and pets off treated areas until spray has dried.

Common Name: diazinon (PT 265A)

Practical Treatment: If swallowed, call a physician or Poison Control Center immediately. If on skin, remove contaminated clothing and wash affected areas with soap and water. If on eyes, flush eyes with plenty of water. Get medical attention immediately.

Precautionary Statement: May cause eye irritation. Harmful if swallowed or inhaled. May be absorbed through skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes, or clothing.

Environmental Hazard: This product is toxic to fish, birds, and other wildlife.

Post Application Information: Keep children and pets off treated areas until spray has dried.

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**Common Name:** boric acid (PT 240)

**Practical Treatment:** If swallowed, call a physician or Poison Control Cent. immediately. If inhaled, remove victim to fresh air. Apply artificial respiration if indicated. If on skin, remove contaminated clothing and wash affected areas with soap and water. If in eyes, flush eyes with plenty of water. Get medical attention immediately.

**Precautionary Statement:** May cause eye damage. Harmful if swallowed or inhaled or absorbed through skin. Do not get in eyes or on clothing.

**Common Name:** propoxur (PT 250)

**Precautionary Statement:** May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Contact with skin, eyes, or clothing should also be avoided. Should illness occur, get prompt medical aid.

**Environmental Hazard:** This product is toxic to fish and birds.

**Common Name:** permethrin (Dragnet, Torpedo)

**Practical Treatment:** If in eye, flush eyes with water for 15 minutes. Call a physician. If swallowed, do not induce vomiting. Call a physician. If on skin, remove contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation persists. In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

**Environmental Hazard:** This product is extremely toxic to fish.

**Post Application Information:** Do not enter treated areas without protective clothing until sprays have dried.

**Common Name:** propetamphos (Safrotin)

**Precautionary Statement:** Harmful or fatal if swallowed, inhaled or absorbed through skin, eyes or clothing. In the case of any suspected poisoning, either internal or external, consult a physician immediately. Avoid breathing vapor or spray mist. In case of skin contact, remove patient from area. Remove all contaminated clothing and wash skin gently and repeatedly with soap and water. In case of eye contact, flush immediately with water. Continue flushing for a least 15 minutes.

**Post Application Information:** Keep all persons and pets out of treated area until spray mixture has dried. Allow spray to dry. Apply fresh shelf paper prior to replacement of food and utensils.

**Common Name:** chlorpyrifos (PT 270)

**Practical Treatment:** If swallowed, call a physician or Poison Control Center immediately. If inhaled, remove patient to fresh air. Get medical attention if poisoning symptoms occur. If on skin, wash skin with soap and water. Get medical attention if irritation persists. If in eyes, flush eyes with plenty of water. Get medical attention if irritation persists.

**Precautionary Statement:** May be harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Contact with skin, eyes, or clothing should also be avoided. Should illness occur, get prompt medical aid.

**Environmental Hazard:** This product is toxic to fish and birds.

**Common Name:** acephate (PT 280)

**Practical Treatment:** If swallowed, call a physician or Poison Control Center immediately. If inhaled, remove patient to fresh air. Get medical attention if poisoning symptoms occur. If on skin, wash skin with plenty of soap and water. If in eyes, flush eyes with plenty of water. Get medical attention if irritation persists.

**Precautionary Statement:** Harmful if swallowed or inhaled. May be absorbed through skin. Avoid breathing of spray mist and provide adequate ventilation of area being treated. Avoid contact with skin, eyes, clothing.

**Post Application Information:** Do not allow children or pets to contact treated surfaces until spray has dried.

**Common Name:** pyrethrin, allethrin, piperonyl butoxide, MGK264 (PT565 Plus)

**Precautionary Statement:** Harmful if swallowed or absorbed through skin. Do not remain in treated area and ventilate the area after treatment is completed. Avoid breathing a vapor. Avoid contact with skin, eyes, or clothing. Remove all pets and birds. Cover fish tanks or remove before spraying. IN HOSPITALS - Patients should be removed from room prior to treatment.

**Environmental Hazard:** This pesticide is highly toxic to fish.

**Post Application Information:** Ventilate the area after treatment. After space spraying, food contact surfaces and equipment must be washed with an effective cleaning compound followed by a potable water rinse. IN HOSPITALS Room should be ventilated for two hours after spraying. Do not return patients to room until after ventilation.

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