

A-87572

AMENDMENT TO AGREEMENT
ANNUAL REQUIREMENTS FOR PEST CONTROL SERVICES - STARTRAN
QUOTE NO. 3640
FINAL RENEWAL

This Amendment is hereby entered into on this 6 day of SEPTEMBER, 2013, by and between Plunkett's Pest Control, 4700 N. 56th St., Lincoln, NE 68504 (hereinafter "Contractor") and City of Lincoln (hereinafter "City"), for the purpose of amending an Agreement dated November 3, 2011, under Resolution No. A-86565, (the "Contract"), for Annual Requirements for Pest Control Services - StarTran, Quote No. 3640, which is made a part hereof by this reference.

WHEREAS, the original term of the Agreement is November 3, 2011 through November 2, 2013, with the option to extend for one (1) additional two (2) year period upon written mutual consent of both parties; and

WHEREAS, the parties wish to extend the agreement for an additional two (2) year term beginning November 3, 2013 through November 2, 2015; and

WHEREAS, the estimated expenditures for the City for the term of this renewal shall not exceed \$1,440.00 without prior approval by the City of Lincoln.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in the Contract, under City Resolution No. A-86565, and stated herein the parties agree as follows:

- 1) The Agreement shall be renewed for an additional two (2) year term beginning November 3, 2013 through November 2, 2015.
- 2) The estimated expenditures for the City for the term of this renewal shall not exceed \$1,440.00 without prior approval by the City of Lincoln.
- 3) All other terms of the Contract, not in conflict with this Amendment, shall remain in full force and effect.

The Parties do hereby agree to all the terms and conditions of this Amendment. This Amendment shall be binding upon the parties, their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

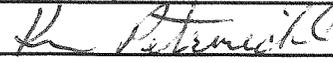
IN WITNESS WHEREOF, the Parties do hereby execute this Amendment.

Official City Use Only

Dated this 3rd day
of Oct., 2013


Chris Beutler, Mayor

Supplier, please sign and date. Mail back to our office; a faxed copy is not acceptable.

Company Name: (PLEASE PRINT)	PLUNKETT'S PEST CONTROL
By: (PLEASE PRINT)	KEN PETRMICHL
By: (PLEASE SIGN)	
Title:	TECHNICAL SALES
Company Address: (PLEASE PRINT)	4700 N 56 TH
Company Phone & Fax: (PLEASE PRINT)	877-571-7100
E-Mail Address: (PLEASE PRINT)	KEN.PETRMICHL@PLUNKETTS.NET
Date:	9/6/13

PH: 10/31/11

11R-263

11090155

CONTRACT DOCUMENTS

**CITY OF LINCOLN
NEBRASKA**

**ANNUAL REQUIREMENTS
FOR
Pest Control Services -
StarTran
Quote No. 3640**

**Plunkett's Pest Control
4700 N. 56th St.
Lincoln, NE 68504
402-564-3044**

**CITY OF LINCOLN
CONTRACT AGREEMENT**

THIS CONTRACT, made and entered into this _____ day of _____ 2011, by and between **Plunkett's Pest Control, 4700 N. 56th St., Lincoln, NE 68504**, hereinafter called "Contractor", and the City of Lincoln, Nebraska, a municipal corporation, hereinafter called "City".

WHEREAS, the City has caused to be prepared, in accordance with law, Specifications, Plans, and other Contract Documents for the Work herein described, and has approved and adopted said documents and has caused to be published an advertisement for and in connection with said Work, to-wit:

For providing **Pest Control Services - StarTran, Quote No. 3640** _____ and,

WHEREAS, the Contractor, in response to such advertisement, has submitted to the City, in the manner and at the time specified, a sealed Proposal/Supplier Response in accordance with the terms of said advertisement; and,

WHEREAS, the City, in the manner prescribed by law has publicly opened, read aloud, examined, and canvassed the Proposals/Supplier Responses submitted in response to such advertisement, and as a result of such canvass has determined and declared the Contractor to be the lowest responsible bidder for the said Work for the sum or sums named in the Contractor's Proposal/Supplier Responses, a copy thereof being attached to and made a part of this Contract;

NOW, THEREFORE, in consideration of the sums to be paid to the Contractor and the mutual covenants herein contained, the Contractor and the City has agreed and hereby agree as follows:

1. The Contractor agrees to (a) furnish all tools, equipment, supplies, superintendence, transportation, and other accessories, services, and facilities; (b) furnish all materials, supplies, and equipment specified to be incorporated into and form a permanent part of the complete work; (c) provide and perform all necessary labor in a substantial and workmanlike manner and in accordance with the provisions of the Contract Documents; and (d) execute and complete all Work included in and covered by the City's award of this Contract to the Contractor, such award being based on the acceptance by the City of the Contractor's Proposal, or part thereof, as follows:

Agreement to full proposal.

2. The City agrees to pay to the Contractor for the performance of the Work embraced in this Contract, the Contractor agrees to accept as full compensation therefore, the following sums and prices for all Work covered by and included in the Contract award and designated above, payment thereof to be made in the manner provided by the City:

City will pay for products/service, according to the Line Item pricing as listed in Contractors Proposal/Supplier Response, a copy thereof being attached to and made a part of this Contract for a total of \$1,440.00 for a two-year period.

3. Equal Employment Opportunity. In connection with the carrying out of this project, the contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, disability, age or marital status. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, national origin, ancestry, disability, age or marital status. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other compensation; and selection for training, including apprenticeship.

4. E-Verify. In accordance with Neb. Rev. Stat. 4-108 through 4-114, the contractor agrees to register with and use a federal immigration verification system, to determine the work eligibility status of new employees performing services within the state of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324 a, otherwise known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986. The Contractor shall not discriminate against any employee or applicant for employment to be employed in the performance of this section pursuant to the requirements of state law and 8 U.S.C.A 1324b. The contractor shall require any subcontractor to comply with the provisions of this section.
5. Termination. This Contract may be terminated by the following:
 - 5.1) Termination for Convenience. Either party may terminate this Contract upon thirty (30) days written notice to the other party for any reason without penalty.
 - 5.2) Termination for Cause. The City may terminate the Contract for cause if the Contractor:
 - 5.2.1) Refuses or fails to supply the proper labor, materials and equipment necessary to provide services and/or commodities.
 - 5.2.2) Disregards Federal, State or local laws, ordinances, regulations, resolutions or orders.
 - 5.2.3) Otherwise commits a substantial breach or default of any provision of the Contract Document. In the event of a substantial breach or default the City will provide the Contractor written notice of said breach or default and allow the Contractor ten (10) days from the date of the written notice to cure such breach or default. If said breach or default is not cured within ten (10) days from the date of notice, then the contract shall terminate.
6. Independent Contractor. It is the express intent of the parties that this contract shall not create an employer-employee relationship. Employees of the Contractor shall not be deemed to be employees of the City and employees of the City shall not be deemed to be employees of the Contractor. The Contractor and the City shall be responsible to their respective employees for all salary and benefits. Neither the Contractor's employees nor the City's employees shall be entitled to any salary, wages, or benefits from the other party, including but not limited to overtime, vacation, retirement benefits, workers' compensation, sick leave or injury leave. Contractor shall also be responsible for maintaining workers' compensation insurance, unemployment insurance for its employees, and for payment of all federal, state, local and any other payroll taxes with respect to its employees' compensation.
7. Contract Term. This Contract shall be effective upon execution by both parties. The term of the Contract shall be a two (2) year term with the option for one (1) additional two (2) year term.
8. The Contract Documents comprise the Contract, and consist of the following:
 1. Instructions to Bidders
 2. Insurance Requirements
 3. Accepted Proposal/Response
 4. Contract Agreement
 5. Specifications
 6. Federal Forms
 7. Sales Tax Exemption Form 13

These Contract Agreements, together with the other Contract Documents herein above mentioned, form this Contract, and they are as fully a part of the Contract as if hereto attached or herein repeated.

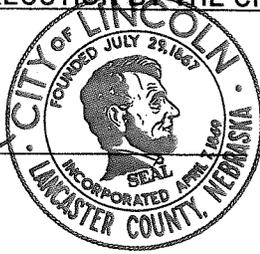
The Contractor and the City hereby agree that all the terms and conditions of this Contract shall be binding upon themselves, and their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

IN WITNESS WHEREOF, the Contractor and the City do hereby execute this contract.

EXECUTION BY THE CITY OF LINCOLN, NEBRASKA

ATTEST:

Juan E. Ross
City Clerk



CITY OF LINCOLN, NEBRASKA

[Signature]
Mayor

Approved by Resolution A-86565

dated Nov. 3, 2011

EXECUTION BY CONTRACTOR

IF A CORPORATION:

ATTEST:

Secretary (SEAL)

Plunkett's Pest Control
Name of Corporation

410 NE 52ND Way Fridley, MN. 55421
(Address)

By: [Signature]
Duly Authorized Official

Director of Sales
Legal Title of Official

IF OTHER TYPE OF ORGANIZATION:

Name of Organization

Type of Organization

(Address)

By: _____
Member

By: _____
Member

IF AN INDIVIDUAL:

Name

Address

Signature

City of Lincoln/Lancaster County (Lincoln Purchasing) Supplier Response

Bid Information		Contact Information		Ship to Information	
Bid Creator	Robert Walla Asst. Purchasing Agent	Address	Purchasing 440 S. 8th St. Lincoln, NE 68516	Address	StarTran 710 J St. Lincoln, NE 68508
Email	rwalla@lincoln.ne.gov	Contact	Robert Walla Asst. Purchasing Agent	Contact	
Phone	1 (402) 441-8309			Department	
Fax	1 (402) 441-6513			Building	
Bid Number	3640	Department		Floor/Room	
Title	Pest Control Services - StarTran	Building	Suite 200	Telephone	
Bid Type	Quote	Floor/Room		Fax	
Issue Date	08/31/2011	Telephone	1 (402) 441-8309	Email	
Close Date	9/12/2011 2:00:00 PM CST	Fax	1 (402) 441-6513		
Need by Date		Email	rwalla@lincoln.ne.gov		

Supplier Information

Company Plunkett's Pest Control
 Address 4700 n 56TH ST
 Lincoln, NE 68504
 Contact ken petrmichl
 Department
 Building
 Floor/Room
 Telephone 1 (877) 571-7100
 Fax 1 (877) 571-7103
 Email ken.petrmichl@plunketts.net
 Submitted 9/6/2011 8:59:47 AM CST
 Total \$1,440.00

Signature _____

Supplier Notes

Bid Notes

Bid Activities

Date	Name	Description
9/7/2011 9:00:00 AM	Prebid Meeting - 710 J Street, Lincoln, NE - 9:00am	A Prebid meeting will be held for Vendors to tour the facilities for bidding purposes. This will be the only day and time for viewing.

Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Electronic Signature	Please check here for your electronic signature.	Yes
2	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
3	Contact	Name of person submitting this bid:	Ken Petrmihl
4	FTA Forms	I have read and accept the terms as listed in the attached FTA Forms and agree to follow those requirements as part of this bid and any subsequent contracts.	Yes
5	Specifications	I acknowledge reading and understanding the specifications.	Yes
6	Protest Procedures	I acknowledge that I have read and understand the City of Lincoln Bid Protest procedures. I further recognize that in the event a protest is denied by the City, I may file a protest with the Federal Grant Provider after exhausting all administrative remedies with the City. For further information on a protest, a Vendor may contact the City Purchasing Agent.	Y
7	Term Clause with Escallation/De-Escalation	I acknowledge that the term of the contract will be (2) two years from the date of the executed contract with the option for (1) one additional (2) two year term. (a) Bid prices firm for the first full contract period. YES or NO (b) Bid prices subject to escallation/de-escalation YES or NO (c) If (b), state period for which prices will remain firm: through _____	a. yes
8	Bid Attachments	I have attached all the information that was requested in the Specifications into the Response Attachment section of my ebid response.	Yes

Line Items

#	Qty	UOM	Description	Response
1	24	Months	Pest Control Services - StarTran ONLY BID MONTHLY RATE!	\$60.00

Item Notes: Monthly price must include labor, materials, chemicals and overhead.

Supplier Notes:

Response Total: \$1,440.00



DuPont™ Advion® Ant Gel

Version 2.1

Revision Date 01/21/2010

Ref. 130000036528

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DuPont™ Advion® Ant Gel
 Tradename/Synonym : INDOXACARB (S)-methyl 7-chloro-2,5-dihydro-2-
 [[(methoxycarbonyl)[4(trifluoromethoxy)phenyl]amino]-
 carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate

MSDS Number : 130000036528
 Product Use : Insecticide

Manufacturer : DuPont
 1007 Market Street
 Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
 Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

Avoid treating areas that are easily accessible to children and pets. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

Potential Health Effects

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Skin : This product has no known adverse effect on human health.

Eyes : This product has no known adverse effect on human health.

Ingestion : This product has no known adverse effect on human health.

Target Organs

Indoxacarb (S-Enantiomer) : Central nervous system

Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Indoxacarb (S-Enantiomer)	173584-44-6	0.05 %



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Inert Ingredients		99.95 %
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SECTION 4. FIRST AID MEASURES

- Skin contact : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Eye contact : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-800-441-3637. See Label for Additional Precautions and Directions for Use.

SECTION 5. FIRE-FIGHTING MEASURES

- Fire and Explosion Hazard : Not a fire or explosion hazard.
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Water, Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Spill Cleanup : Clean-up methods - small spillage For small spills, use cloth or paper towels and place collected material and towels in appropriate container for disposal. Clean-up methods - large spillage Soak up with inert absorbent material (e.g.



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sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Flush away traces with water and detergent.

Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Follow applicable Federal, State/Provincial and Local laws/regulations.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Avoid contamination of food.
- Handling (Physical Aspects) : Do not apply this product around electrical equipment due to the possibility of shock hazard.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store product in original container only in a location inaccessible to children and pets. Store in a cool, dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment
 Skin and body protection : No PPE is specified however, avoid contact with skin, eyes, and clothing.

Exposure Guidelines
 Exposure Limit Values
 Indoxacarb (S-Enantiomer)
 AEL * (DUPONT) 1 mg/m3 8 & 12 hr. TWA Respirable.

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : gel
- Color : off-white, opaque
- Odor : very faint
- pH : 7.2
(1% solution in water)
- Oxidizing : The product is not oxidizing.
- Density : 1.15 - 1.24 g/ml at ca. 85 °C (185 °F)
- Water solubility : soluble

SECTION 10. STABILITY AND REACTIVITY


DuPont™ Advion® Ant Gel

Version 2.1

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Stability : Stable at normal temperatures and storage conditions.

Incompatibility : No materials to be especially mentioned.

SECTION 11. TOXICOLOGICAL INFORMATION

- DuPont™ Advion® Ant Gel
Inhalation 4 h LC50 : > 5.5 mg/l
Active ingredient
- Dermal LD50 : > 5,000 mg/kg , rat
- Oral LD50 : > 5,000 mg/kg female, rat
- Skin irritation : Species: rabbit, No skin irritation
Eye irritation : Species: rabbit, No eye irritation
Sensitisation : Species: mouse, Animal test did not cause sensitization by skin contact.
- Indoxacarb (S-Enantiomer)
Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral, rat
Red blood cell destruction causing abnormal decrease in number of red blood cells (anaemia)
- Carcinogenicity : Did not show carcinogenic effects in animal experiments.
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not cause genetic damage in animals.
- Reproductive toxicity : Animal testing did not show any effects on fertility.
- Teratogenicity : Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity.

SECTION 12. ECOLOGICAL INFORMATION

- Aquatic Toxicity
Indoxacarb (S-Enantiomer)
96 h LC50 : Oncorhynchus mykiss (rainbow trout) 0.65 mg/l
96 h LC50 : Lepomis macrochirus (Bluegill sunfish) 0.90 mg/l
48 h EC50 : Daphnia magna (Water flea) 0.60 mg/l
- Toxicity to other organisms



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- Indoxacarb (S-Enantiomer)
LD50 : Colinus virginianus (Bobwhite quail) 98 mg/kg
- LC50 : Colinus virginianus (Bobwhite quail) 808 mg/kg
Dietary
- LC50 : Anas platyrhynchos (Mallard duck) > 5,620 mg/kg
Dietary
- Additional ecological information : Information given is based on data on the components and the ecotoxicology of similar products.
- Additional ecological information : Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

SECTION 13. DISPOSAL CONSIDERATIONS

- Waste Disposal : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If partially filled: Wrap in newspaper and discard in trash or call your local solid waste authority or 1-888-638-7668 for disposal instructions.
- Container Disposal : Do not reuse/refill the gel bait dispenser. Place empty bait dispensers in trash, offer for recycling, or call your local solid waste authority or 1-888-638-7668 for disposal instructions.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA.

SECTION 15. REGULATORY INFORMATION

- SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- EPA Reg. No. : 352-746
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.
- California Prop. 65 : This product does not contain any chemicals known to State of California to

Material Safety Data Sheet



DuPont™ Advion® Ant Gel

Version 2.1

Revision Date 01/21/2010

Ref. 130000036528

cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

	NFPA	HMIS
Health :	0	0
Flammability :	0	0
Reactivity/Physical hazard :	0	0

MSDS preparation date : 01/21/2010

DuPont™, Advion® are trademarks of E. I. du Pont de Nemours and Company

Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.

MATERIAL SAFETY DATA SHEET

MSDS Number: 347310CB

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CB-80 EXTRA INSECTICIDE - ALL SIZES - EPA REGISTRATION # 9444-175

Manufactured by: Waterbury Companies, Inc.

P.O. Box 640

Independence, LA 70443

24-Hour Emergency Contact:

800-424-9300 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components greater than 1.0% (0.1% if carcinogen or suspected carcinogen)

Component	CAS#	OSHA PEL	ACGIH TLV	Other Limits	% by wt
C12-C15 Isoparaffinic Hydrocarbon	64742-47-8	N.E.	N.E.	300 ppm (Exxon)	<5
Ethane, 1,1-Difluoro-	75-37-6	N.E.	N.E.	1000ppm-8hrTWA	55-65
Ethanol	64-17-5	1000 ppm	1000 ppm TWA	N.E.	25-35
Piperonyl Butoxide*	51-03-6	N.E.	N.E.	N.E.	4
Pyrethrins*	8003-34-7	5 mg/m3	5 mg/m3 TWA	5 mg/m3 OSHA TWA	0.5

* This item is NOT a carcinogen, but has been listed to aid in the identification of all pesticide active ingredients in the product. Actual percentages for these active ingredients have been listed vs. percent ranges.

3. HAZARDS IDENTIFICATION

Warning! Flammable!

Contents under pressure, do not expose to fire or extreme heat.

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read label. Store in a cool dry area away from heat or open flames. Exposure to temperatures above 130 deg. F. may cause bursting. Do not spray on plastic, painted or varnished surfaces or directly into electronic equipment such as radios, TV's, computers, etc.

Potential Health Effects:

Routes of Entry: Inhalation: Yes Ingestion: Yes Skin: Yes

Health Hazards: Health studies have shown many petroleum hydrocarbons pose potential human risks which may vary from person to person. Inhalation of high concentrations of Ethane, 1-1-Difluoro- vapors is harmful and may cause heart irregularities, unconsciousness, or death. Intentional misuse or deliberate inhalation may cause death without warning.

Signs/symptoms of overexposure: Dizziness, headaches, drowsiness, incoordination, eye irritation, dermatitis, skin disorders, nausea, throat irritation, loss of consciousness, and other nervous system disorders. Prolonged skin contact may cause mild to moderate local redness and swelling.

MATERIAL SAFETY DATA SHEET

MSDS Number: 347310CB

Medical conditions aggravated by exposure: Skin contact may aggravate an existing dermatitis. Persons with a pre-existing disease of the central nervous system or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

NFPA Hazard Ratings Fire: 4 Health 1 Reactivity: 1

NFPA 704 Ratings are subject to interpretation and are only intended for general identification of the level of the specific hazard. All information must be considered for proper safe handling of the material.

4. FIRST AID MEASURES

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 hazard. IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. IF ON SKIN OR CLOTHING: Remove contaminated clothing and wash before reuse. Wash affected areas with soap and water. Get medical attention if irritation persists. IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Extinguishing Media: CO₂, dry chemical, or foam

Fire Fighting Procedures: Self contained air supply suggested. Keep containers cool to avoid bursting.

Unusual Fire and Explosion Hazards: Exposure to temperatures above 130 deg.F may cause bursting.

6. ACCIDENTAL RELEASE MEASURES

If container is ruptured or begins to leak, place in a well-ventilated area free of sparks and ignition sources. Pesticide that cannot be used according to label instructions must be disposed of according to all applicable Local, State and Federal procedures.

7. HANDLING AND STORAGE

Read label. Do not apply directly to food. In commercial food handling facilities, cover or remove any food. In food processing plants, thoroughly wash all equipment, benches, shelving, etc. where exposed food will be handled. Rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. In medical care facilities, remove all patients. After spraying, ventilate area for 2 hours before returning patients.

NFPA 30B Aerosol Classification: Level 1 Aerosol

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Gloves: Not required - avoid contact with skin.

Eye Protection: Not required - avoid contact with eyes.

Respiratory Protection: Not required - avoid breathing spray.

Ventilation: Local: As required to keep airborne concentrations below acceptable limits.

Mechanical: Not required.

MATERIAL SAFETY DATA SHEET**MSDS Number: 347310CB**

Other protective equipment: Safety glasses recommended to avoid possible contact with eyes.

Protective Work/Hygiene Practices: Follow label instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (H₂O=1): 0.9

Vapor Pressure (mm Hg): 4,239

Solubility: Partially soluble.

Appearance/Odor: Dry fog with characteristic pyrethrin odor.

Flashpoint: Non Flammable per flame projection test.

LEL: N/A

UEL: N/A

Boiling Point: N/A

Melting Point: N/A

10. STABILITY AND REACTIVITY

Conditions to Avoid: Open flames and very hot surfaces can cause thermal decomposition.

Incompatible Materials: Strong oxidizers, and alkaline materials, and powdered earth metals - Al, Zn, Be, etc.

Hazardous Decomposition By-products Carbon monoxide, carbon dioxide, hydrofluoric acid, and carbonyl fluoride.

Hazardous Polymerization Conditions: None known.

11. TOXICOLOGICAL INFORMATION

This product contains no chemicals that are listed on the NTP, IARC, or OSHA carcinogen lists. Any further information on the toxicology of the material can be obtained by contacting the manufacturer.

12. ECOLOGICAL INFORMATION

Please call the manufacturer for questions concerning the ecological effects of this product and its constituents.

13. DISPOSAL CONSIDERATIONS

Do not reuse empty container. This container may be recycled in the few but growing number of communities where (steel) aerosol can recycling is available. Before offering for recycling, empty the can by using the product according to the label. (DO NOT PUNCTURE!) If recycling is not available, wrap the container and discard in the trash. Any remaining or collected liquid from punctured cans should be disposed of in a safe manner at an approved facility in accordance with Local, State, and Federal regulations.

14. TRANSPORT INFORMATION

	<i>Status</i>	<i>Shipping Name</i>	<i>Class</i>	<i>ID #</i>	<i>Pkng Grp</i>
<i>DOT (USA):</i>	Regulated	Consumer Commodity (per 49CFR173.306)	ORM-D	N/A	N/A
<i>IATA (Air):</i>	Regulated	Consumer Commodity	9	ID8000	N/A
<i>IMDG (Vessel):</i>	Regulated	Aerosols	2	UN1950	N/A

MATERIAL SAFETY DATA SHEET**MSDS Number:** 347310CB*National Motor Freight Classification and LTL Class:* 102120-Class 60**15. REGULATORY INFORMATION**

This product is authorized for use in plants operating under USDA Inspection and Grading Programs as a CATEGORY F1 Substance

SARA Title III Section 31 When completing Tier II reports, the following information should be used

Note: See state and local regulations for specifics on reporting requirements for your facility.

This product should be described as: PURE: N MIXTURE Y SOLID: N

LIQUID: Y GAS: Y

Physical Hazards: FIRE: Y PRESSURE: Y REACTIVITY: N

Health Hazards: IMMEDIATE: Y DELAYED: N

SARA Title III Section 313:

Toxic chemical components subject to the reporting requirements of EPCRA and 40CFR372:

<i>Chemical</i>	<i>CAS/Category</i>	<i>Percent</i>
Piperonyl Butoxide	51-03-6	4.00

16. OTHER INFORMATION

Product Sales Information: 800-845-3495

MSDS Information: 985-878-6751

Revision Notes: MSDS revised to comply with ANSI Z400.1-1998 16-Section MSDS format.

N/A = Not Applicable

N.E. = Not Established

MSDS Prepared by K.G.

This Information is provided in good faith, but no warranty, expressed or implied, is made. The manufacturer believes that it is accurate and to the best of its knowledge, and relates only to the specific material designated herein.



Syngenta Crop Protection, Inc.
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

Product Name: **DEMAND CS** Product No.: A12690A
EPA Signal Word: Caution
Active Ingredient(%): Lambda-Cyhalothrin (9.7%) CAS No.: 91465-08-6
Chemical Name: [1a(S*),3a(Z)]-cyano(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate
Chemical Class: A pyrethroid insecticide
EPA Registration Number(s): 100-1066 Section(s) Revised: 13

2. HAZARDS IDENTIFICATION

Health and Environmental
Harmful if inhaled. May be harmful in contact with skin. May cause an allergic skin reaction. Causes mild skin irritation. Vapors may cause drowsiness and dizziness. May be harmful if swallowed and enters airway. May cause temporary itching, tingling, burning or numbness of exposed skin, called paresthesia.
Hazardous Decomposition Products
None known.
Physical Properties
Appearance: Off-white liquid
Odor: Slight odor/typical aromatic solvent
Unusual Fire, Explosion and Reactivity Hazards
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Cumene (< 1%)	50 ppm TWA (skin)	50 ppm TWA	Not Established	No
Petroleum Solvent	Not Established	Not Established	100 mg/m ³ (19 ppm) TWA *	No
Propylene Glycol	Not Established	Not Established	10 mg/m ³ TWA ****	No
1,2,4-Trimethylbenzene (< 2.5%)	Not Established	25 ppm TWA	25 ppm TWA **	No
Xylene (< 1%)	100 ppm TWA	100 ppm TWA; 150 ppm STEL	100 ppm TWA **	IARC Group 3
Lambda-Cyhalothrin (9.7%)	Not Established	Not Established	0.04 mg/m ³ TWA (skin) ***	No

* recommended by manufacturer
** recommended by NIOSH
*** Syngenta Occupational Exposure Limit (OEL)

**** Recommended by AIHA (American Industrial Hygiene Association)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: C, S

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

- Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.
- Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.
- Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Notes to Physician

There is no specific antidote if this product is ingested.

Treat symptomatically.

Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat symptomatically.

Contains petroleum distillate - vomiting may cause aspiration pneumonia.

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

- Flash Point (Test Method): > 212°F (Setaflash)
- Flammable Limits (% in Air): Lower: Not Applicable Upper: Not Applicable
- Autoignition Temperature: Not Available
- Flammability: Not Applicable

Unusual Fire, Explosion and Reactivity Hazards

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and

drainage systems or any body of water. Clean up spills immediately, observing precautions in Protective Equipment Section. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

- Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
- Eye Contact: Where eye contact is likely, use chemical splash goggles.
- Skin Contact: Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber or Viton), coveralls, socks and chemical-resistant footwear. Stringent housekeeping measures are necessary to prevent translocation of the material from contaminated work surfaces to uncontaminated surfaces (railings, doors, etc.). Unprotected contact with such translocated material can result in paresthesia effects (see Section 11).
- Inhalation: A combination particulate/organic vapor respirator should be used until effective engineering controls are installed to comply with occupational exposure limits, or until exposure limits are established. Use a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE filter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Off-white liquid
- Odor: Slight odor/typical aromatic solvent
- Melting Point: Not Applicable
- Boiling Point: 212 °F
- Specific Gravity/Density: 1.036 @ 68°F (20°C)
- pH: 7.3 (1% w/w dilution in deionized water)

Solubility in H₂O

Lambda-Cyhalothrin : 0.004 mg/l

Vapor Pressure

Lambda-Cyhalothrin : 1.5 x 10⁽⁻⁹⁾ mmHg @ 68°F (20°C)

10. STABILITY AND REACTIVITY

- Stability: Stable under normal use and storage conditions.
- Hazardous Polymerization: Will not occur.
- Conditions to Avoid: None known.
- Materials to Avoid: None known.
- Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion:	Oral (LD50 Rabbit) :	> 5000 mg/kg body weight
Dermal:	Dermal (LD50 Rabbit) :	> 2000 mg/kg body weight
Inhalation:	Inhalation (LC50 Rat) :	> 4.62 mg/l air - 4 hours
Eye Contact:	Non-Irritating (Rabbit)	
Skin Contact:	Practically Non-Irritating (Rabbit)	
Skin Sensitization:	A weak skin sensitizer in animal tests.	

Reproductive/Developmental Effects

Lambda-Cyhalothrin : Not a developmental or reproductive toxicant.

Chronic/Subchronic Toxicity Studies

Lambda-Cyhalothrin : Reversible paresthesia (abnormal skin sensation).

Reversible clinical signs of neurotoxicity in mammals.

Carcinogenicity

Lambda-Cyhalothrin : No treatment-related tumors in rats or mice.

Other Toxicity Information

In humans, contact with exposed skin may result in temporary itching, tingling, burning or numbness, called paresthesia. The effect may result from splash, aerosol, or hot vapor contact, or transfer to the face from contaminated gloves and hands. The symptoms normally disappear within 24 hours. Face and genital areas are especially susceptible to this effect. Paresthesia involving the face is also known as "subjective facial sensation" or SFS.

Toxicity of Other Components

1,2,4-Trimethylbenzene (< 2.5%)

Test results reported in Section 11 for the final product take into account any acute hazards related to the 1,2,4-trimethylbenzene in the formulation.

Cumene (< 1%)

Exposure to cumene vapors may cause irritation to eyes, skin, and respiratory tract. Cumene may also cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects. Prolonged exposure to high concentrations (>100 PPM) may result in liver, kidney or lung damage.

Petroleum Solvent

The supplier reports that high vapor/aerosol concentrations (> 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Propylene Glycol

Test results reported in Section 11 for the final product take into account any acute hazards related to the propylene glycol in the formulation.

Reported to cause central nervous system depression (anesthesia, dizziness, confusion), headache and nausea. Chronic dietary exposure caused kidney and liver injury in experimental animals.

Xylene (< 1%)

Test results reported in Section 11 for the final product take into account any acute hazards related to the xylene in the formulation.

Target Organs

Active Ingredients

Lambda-Cyhalothrin : Liver, nervous system

Inert Ingredients

1,2,4-Trimethylbenzene: Not Applicable

Cumene: Skin, eye, liver, respiratory tract, kidney, CNS

Petroleum Solvent: Eye, respiratory tract, CNS

Propylene Glycol: CNS, kidney, liver

Xylene: Not Applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Lambda-Cyhalothrin :

Fish (Rainbow Trout) 96-hour LC50 0.19 ppb

Bird (Mallard Duck) LD50 Oral > 3950 mg/kg

Invertebrate (Water Flea) 48-hour EC50 0.04 ppb

Environmental Fate

Lambda-Cyhalothrin :

The information presented here is for the active ingredient, lambda-cyhalothrin.

Not persistent in soil or water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA

Containers < 450 liters: Not regulated.

Containers > 450 liters:

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Lambda-Cyhalothrin)

Hazard Class or Division: Class 9

Identification Number: UN 3082

Packing Group: PG III

Air Transport - NAFTA

Containers < 450 liters: Not regulated.

Containers > 450 liters: Prohibited.

Comments

Water Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Lambda-Cyhalothrin), Marine Pollutant

Hazard Class or Division: Class 9

Identification Number: UN 3082

Packing Group: PG III

IMDG EMS #: F-A, S-F

Air Transport - International

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Lambda-Cyhalothrin)

Hazard Class or Division: Class 9
Identification Number: UN 3082
Packing Group: PG III
Packing Auth.: 914
Note: Max. inner packages 5 liters
Max. single packages 450 liters

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard
Chronic Health Hazard

Section 313 Toxic Chemicals: Cumene (< 1%) (CAS No. 98-82-8)
1,2,4-Trimethylbenzene (< 2.5%) (CAS No. 95-63-6)
Xylene (< 1%) (CAS No. 1330-20-7)

California Proposition 65
Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

Report product spills > 520 gal. (based on xylene [RQ = 100 lbs.] content in the formulation)

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2
Flammability: 1
Instability: 0

HMIS Hazard Ratings

Health: 2
Flammability: 1
Reactivity: 0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 7/14/1999

Revision Date: 6/14/2010

Replaces: 1/21/2009

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS

MA%E%IAL %AFE%b DA%A %HEE%

%EC%A%N 1 PRODUCT & COMPANY IDENTIFICATION

FirstStrike™ Soft Bait

EPA Reg. No. 7173-258

Other Designation: Anticoagulant rodenticide with Difethialone

Manufacturer: Liphatec, Inc.
3600 W. Elm Street, Milwaukee, WI 53209

Emergency Phone: 414-351-1476 Monday-Friday, 8:00 am-4:30 pm CST

After Hours: Call CHEMTREC at 1-800-424-9300

%EC%A%N 2 INGREDIENT INFORMATION

Hazardous Ingredient	CAS Number	OSHA PEL	ACGIH TLV	ACGIH STEL
Difethialone	104653-34-1	Not assigned	Not assigned	Not assigned

%EC%A%N 3 HAZARDS IDENTIFICATION

Emergency Overview: May be harmful if swallowed or absorbed through the skin, because this material may reduce the clotting ability of the blood and cause bleeding.

Primary Entry Routes: Oral (swallowing), dermal (absorption through skin)

Acute Effects (Signs and Symptoms of Overexposure):

- **Eyes:** May cause temporary eye irritation.

- **Skin:** May be harmful if absorbed through skin. Symptoms of toxicity include lethargy, loss of appetite, reduced blood clotting ability and bleeding.

- **Inhalation:** Due to this product's solid form, inhalation is unlikely.

- **Ingestion:** May be harmful if swallowed. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

Chronic Effects: Prolonged and/or repeated exposure to small amounts of product can produce cumulative toxicity. Symptoms of toxicity include lethargy, loss of appetite, reduced clotting ability of blood, and bleeding.

Medical Conditions Aggravated by Exposure: Bleeding disorders

Target Organs: Blood

Carcinogenicity: Contains no known or suspected carcinogens.

HMIS: Health - 2, Flammability - 0, Reactivity - 0

%EC%A%N 4 FIRST AID MEASURES

Eyes: Flush with water. Get medical attention if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation persists.

Inhalation: If inhaled, remove person to fresh air and Get medical attention.

Ingestion: Call a physician or poison control center immediately. Have the product label available for medical personnel to read.

Induce vomiting under the direction of medical personnel. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If syrup of ipecac is available, give 1 tablespoon (15 ml) followed by 1 or 2 glasses of water. If vomiting does not occur within 20 minutes, repeat this dosage once. Do not induce vomiting or give anything by mouth to an unconscious person.

Note to Physician: This rodenticide contains an anticoagulant ingredient. If ingested, administer vitamin K₁ intramuscularly or orally, as indicated in bishydroxycoumarin overdoses. Repeat as necessary based on monitoring of prothrombin times.

For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents) call the National Pesticide Information Center at 1-800-858-7378.

%EC%A%N 5 FIRE FIGHTING MEASURES

Flash Point:	None
Autoignition Temp.:	Not determined
Explosive Limits:	LEL: Not applicable UEL: Not applicable
Extinguishing Media:	Use media suitable for the surrounding fire
Unusual Fire or Explosion Hazards:	None known
Fire Fighting Instructions:	Firefighters should wear self-contained breathing apparatus (full facepiece) and full protective clothing. Contain runoff to prevent pollution.



%EC%A%N 6 ACCIDENTAL RELEASE MEASURES

Large Spill/Leak Procedures: Isolate and contain spill. Limit access to the spill area to necessary personnel. Do not allow spilled material to enter sewers, streams or other waters. Scoop up spilled material and place in a closed, labeled container for use or disposal.

Small Spills: Scoop up material for use according to label instructions.

%EC%A%N 7 STORAGE AND HANDLING

Storage Requirements: Store in original container in a cool, dry area out of reach of children, pets and domestic animals. Do not contaminate water, food or feed. Keep container tightly closed. Do not remove or destroy the product label.

Handling Precautions: Read the entire product label before using this rodenticide. Carefully follow all cautions, directions and use restrictions on the label. Avoid contact with eyes, skin or clothing.

%EC%A%N 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ventilation: Special ventilation is not required for the normal handling and use of this product when following the label instructions.

Protective Clothing/Equipment: None required for normal handling.

Respirator: None required when used according to label instructions.

Contaminated Equipment: Damaged or unwanted bait stations and bait holders should be wrapped in paper and discarded in trash.

Comments: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this product. Wash arms, hands and face with soap and water after handling this product, and before eating and smoking. Launder contaminated clothing separate from street clothes.

%EC%A%N 9 PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Paste	Water Solubility:	Negligible
Color:	Blue	% Volatile (Volume):	Not applicable
Odor:	Raw grain odor	Specific Gravity:	1.14 g/cc
Melting Point:	Not available	Vapor Pressure:	Not applicable
Boiling Point:	Not applicable	Vapor Density:	Not applicable
Freezing Point:	Not applicable	pH:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None

Hazardous Polymerization: Will not occur

Chemical Incompatibilities: Alkaline materials

Hazardous Products of Decomposition: Oxides of carbon

SECTION 11 TOXICOLOGICAL INFORMATION

Eye Effects/Eye Irritation:	Mild, transient irritant
Acute Oral Effects:	LD ₅₀ (oral-rat): >2000 mg/kg
Acute Inhalation Effects:	Not applicable
Acute Dermal Effects:	LD ₅₀ (dermal-rabbit): >2000 mg/kg
Skin Irritation:	Non-irritating
Skin Sensitization:	Not a skin sensitizer

SECTION 12 ECOLOGICAL INFORMATION

This product is toxic to fish and wildlife. Do not apply this product directly to water, where surface water is present or to intertidal areas below the mean high water mark. Carefully follow label cautions and instructions to reduce hazards to children, pets and non-target wildlife.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal: Wastes resulting from the use of this product according to the label instructions must be disposed of as specified on the product label.

RCRA Waste Status: This product is not regulated as a hazardous waste under RCRA. State and local regulation may affect the disposal of this product. Consult your state or local environmental agency for disposal of waste generated other than by use according to label instructions.

SECTION 14 TRANSPORT INFORMATION

Transportation Data (49 CFR): This product is not regulated as a hazardous material for all modes of transportation within the U.S.

Hazard Class: Not applicable **ID No.:** Not applicable

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

SARA Section 313: Contains no reportable components.

OSHA Hazard Classification: Chronic health hazard.

Proposition 65: Contains no components subject to warning requirement.

SECTION 16 OTHER INFORMATION

Prepared by: T. Schmit **Date:** 5/12/2011
Information presented on this Material Safety Data Sheet is believed to be accurate at the time of publication. No warranty, expressed or implied, is made with regard to this information. This information may not be adequate for every application, and the user must determine the suitability of this information due to the manner/conditions of use, storage or local regulation.



The Chemical Company

Safety Data Sheet

TERMIDOR 9.1% SC.

Revision date : 2010/07/14
Version: 3.0

Page: 1/8
(30357978/SDS CPA US/EN)

1. Product and Company Identification

Use: crop protection product, insecticide

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Substance number: 000000256709
Molecular formula: C12 H4 Cl2 F6 N4 O S
Chemical family: phenyl pyrazole
Synonyms: fipronil

2. Hazards Identification

Emergency overview

CAUTION:
HARMFUL IF SWALLOWED.
HARMFUL IF ABSORBED THROUGH SKIN.
HARMFUL IF INHALED.
Causes eye irritation.
Do not get in eyes, on skin, or on clothing.
Do not breathe vapours/mists.
Wash thoroughly after handling.

See Product Label for additional precautionary statements.

State of matter: liquid
Colour: beige
Odour: characteristic

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Slightly toxic after single ingestion. Slightly toxic after short-term skin contact. Slightly toxic after short-term inhalation.

Irritation / corrosion:

May cause slight irritation to the skin. May cause moderate but temporary irritation to the eyes.

Safety Data Sheet

TERMIDOR 9.1% SC.

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Sensitization:

Skin sensitizing effects were not observed in animal studies.

Medical conditions aggravated by overexposure:

Individuals with pre-existing diseases of the respiratory system, skin or eyes may have increased susceptibility to excessive exposures.

Signs and symptoms of overexposure:

CNS stimulation, tremors, convulsions

Potential environmental effects**Aquatic toxicity:**

Very toxic (acute effect) to aquatic organisms.

Terrestrial toxicity:

With high probability not acutely harmful to terrestrial organisms.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
120068-37-3	9.1 %	fipronil
57-55-6	3.0 %	Propylene glycol
	87.9 %	Proprietary ingredients

4. First-Aid Measures

General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

If inhaled:

Remove the affected individual into fresh air and keep the person calm.

If on skin:

Rinse skin immediately with plenty of water for 15 - 20 minutes.

If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Have person sip a glass of water if able to swallow.

Note to physician

Antidote:

No known specific antidote.

Treatment:

Treat symptomatically. Anticonvulsant therapy as routinely administered to humans. Based on animal studies diazepam and phenobarbital prevented convulsions. Due to the slow elimination of the active compound and its metabolites, the treatment must be continued for several days, gradually decreasing the dose of anticonvulsant based on the clinical response.

Safety Data Sheet

TERMIDOR 9.1% SC.

Revision date : 2010/07/14
Version: 3.0

Page: 3/8
(30357978/SDS CPA US/EN)

5. Fire-Fighting Measures

Flash point: > 206.96 °F
Autoignition: Information applies to the solvent. not applicable
Self-ignition temperature: not self-igniting

Suitable extinguishing media:
foam, dry powder, carbon dioxide, water spray

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, hydrogen fluoride, Hydrogen chloride, nitrogen oxides, sulfur oxides, acid halides
If product is heated above decomposition temperature, toxic vapours will be released. The substances/groups of substances mentioned can be released if the product is involved in a fire.

Protective equipment for fire-fighting:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions:
Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Cleanup:
Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. Handling and Storage

Handling

General advice:
RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Avoid aerosol formation. Avoid dust formation. Provide means for controlling leaks and spills. Do not return residues to the storage containers. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

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Protection against fire and explosion:

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage

General advice:

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

Storage incompatibility:

General advice: Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Temperature tolerance

Protect from temperatures below: 0 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure Controls and Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off

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immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	characteristic	
Colour:	beige	
pH value:	7.2	(10 g/l)
onset of boiling:	approx. 100 °C	(1,013 hPa) Information applies to the solvent.
Density:	1.06 g/cm3	(20 °C)
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:	approx. 1,600 - 1,850 mPa.s	(21.6 °C)
Solubility in water:		dispersible
Molar mass:	437.15 g/mol	

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

Substances to avoid:

strong oxidizing agents

Hazardous reactions:

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide, nitrogen oxide, Hydrogen chloride, hydrogen fluoride, Sulphur dioxide
Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. If product is heated above decomposition temperature hazardous fumes may be released.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Not an oxidizer.

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50

Species: rat

Value: 1,999 mg/kg

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Inhalation:

Type of value: LC50
Species: rat
Value: > 1.7 mg/l
Exposure time: 4 h

Type of value: LC50
Species: rat
Value: 6.8 mg/l (calculated)
Exposure time: 1 h

Dermal:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Irritation / corrosion

Skin:

Species: rabbit
Result: Slightly irritating.

Eye:

Species: rabbit
Result: Slightly irritating.

Sensitization:

Species: guinea pig
Skin sensitizing effects were not observed in animal studies.

Genetic toxicity

Information on: fipronil

Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Carcinogenicity

Information on: fipronil

In long-term studies in rats the substance induced thyroid tumors. In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans.

Reproductive toxicity

Information on: fipronil

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Development:

Information on: fipronil

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

12. Ecological Information

Fish

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Acute:
Brachydanio rerio/LC50 (96 h): 3.89 mg/l

Aquatic invertebrates

Acute:
Daphnia pulex/EC50 (48 h): 0.2 mg/l

Aquatic plants

Information on: fipronil
Toxicity to aquatic plants:
green algae/EC50 (96 h): 0.068 mg/l
Common duckweed/EC50 (336 h): > 0.160 mg/l
green algae/EC50 (120 h): > 0.140 mg/l
Algae/EC50 (120 h): > 0.170 mg/l
Algae/EC50 (120 h): > 0.120 mg/l

Non-Mammals

Information on: fipronil
Other terrestrial non-mammals:
bobwhite quail/LD50: > 2,000 mg/kg
bobwhite quail/LC50: > 5,000 ppm
Honey bee/LD50: > 100 ug/bee
mallard duck/LC50: > 5,000 ppm

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Not readily biodegradable (by OECD criteria).

Other adverse effects:

The ecological data given are those of the active ingredient. Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.
Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:

This product is not regulated by RCRA.

14. Transport Information

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Reference Bill of Lading

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US blocked / not listed

Crop Protection TSCA, US released / exempt

OSHA hazard category: Acute target organ effects reported; Chronic target organ effects reported

EPCRA 311/312 (Hazard categories): Acute; Chronic

State regulations

State RTK
PA

CAS Number
57-55-6

Chemical name
Propylene glycol

16. Other Information

Refer to product label for EPA registration number.

Recommended use: insecticide

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2010/07/14

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET



McLaughlin Gormley King Company

PRODUCT CODE: 002822

MATERIAL SAFETY DATA SHEET

Vendetta™ Cockroach Gel Bait

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1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE:	002822, EPA REG. NO. : 1021-1828		
PRODUCT NAME:	Vendetta™ Cockroach Gel Bait		
PRODUCT DESCRIPTION:	An insecticide formulation for killing cockroaches.		
CHEMICAL NAME:	Mixture		
MANUFACTURER:	McLaughlin Gormley King Company, 8810 Tenth Avenue North, Minneapolis MN. 55427		
TELEPHONE M-F, 8:00-4:30 CST, 14:00-22:30GMT:	(800) 645-6466 or (763) 544-0341		
MSDS & Product Information, 8:00-4:30 CST, 14:00-22:30 GMT:	(800) 645-6466 or (763) 544-0341		
CHEMTREC U.S. and CANADA:	(800)-424-9300	CHEMTREC (ALL OTHER AREAS):	(703) 527-3887
FOR INFORMATION REGARDING MEDICAL EMERGENCIES OR PESTICIDE INCIDENTS CALL THE INTERNATIONAL POISON CENTER AT: 1-888-740-8712 in U.S and CANADA or 952-852-9509 from all other areas			

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

CAUTION. Causes moderate eye irritation. Avoid contact with eyes and clothing.

- EYES: Causes moderate eye irritation.
- CHRONIC EFFECTS: None known.
- CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(s)	CAS #	EXPOSURE LIMITS	SARA Title III Sec. 313 de minimus conc.	% BY WEIGHT
Abamectin	071751-41-2	0.02 mg/m ³ (Supplier OEL)	Not Applicable	0.050
<small>PEL = Permissible Exposure Limits. TLV = Threshold Limit Value.</small>		<small>TWA = Time Weighted Average (8 hr). STEL = Short Term Exposure Limit (15 min.).</small>		
COMMENTS: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.				

4. FIRST-AID MEASURES

FIRST AID PROCEDURES:

- EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIANS: None.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: >200 °F/ >93.3 °C METHOD: TAG Closed Cup

This product is NOT classified as flammable or combustible by OSHA.

LOWER FLAMMABLE LIMIT: not established. UPPER FLAMMABLE LIMIT: not established.

AUTOIGNITION TEMPERATURE: not established.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions this product may support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical.

FIRE FIGHTING INSTRUCTIONS: Treat as an oil fire. Keep personnel removed and upwind of fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.



McLaughlin Gormley King Company

PRODUCT CODE: 002822

MATERIAL SAFETY DATA SHEET

Vendetta™ Cockroach Gel Bait

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6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: Remove gel material from surface and place in a container for disposal.

Table with 3 columns: INGREDIENT, RCRA ID#, CERCLA RQ-VALUE. Row 1: None

RCRA/ EPA WASTE INFORMATION: None of the ingredients in this product appear on the RCRA lists (40 CFR 261.24, 40 CFR 251.33) or CERCLA Hazardous Substance List (40 CFR Part 302 Table 302.4).

7. HANDLING AND STORAGE

GENERAL PROCEDURES: DO NOT USE IN OR AROUND ELECTRICAL EQUIPMENT DUE TO THE POSSIBILITY OF SHOCK HAZARD.
HANDLING: Take prudent precautions to avoid contact with eyes. Do not contaminate water, food or feedstuffs by storage, handling or by disposal. Read and observe all precautions and instructions on the label.
STORAGE: Store in a cool, dry place. Keep container closed. KEEP OUT OF REACH OF CHILDREN.
WORK HYGIENIC PRACTICES: DO NOT SMOKE, EAT, DRINK OR APPLY COSMETICS IN WORK AREA! Wash Promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not established by OSHA or ACGIH (see Section 2 for individual components).
EYE PROTECTION: Take prudent precautions to avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Table with 4 columns: APPEARANCE, ODOR, PHYSICAL STATE, VAPOR PRESSURE, VAPOR DENSITY, BOILING POINT, VOC, MELTING POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, COLOR, (GARDNER), pH, VISCOSITY, REFRACTIVE INDEX.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
HAZARDOUS DECOMPOSITION PRODUCTS: NO, NO2, CO, CO2 gases
INCOMPATIBILITY: Strong acidic or alkaline materials.
HAZARDOUS POLYMERIZATION: Will not occur.

11. OTHER INFORMATION

HMIS RATINGS: We assign HMIS ratings to this product based on the hazards of its ingredient(s). Since the customer is most aware of the applications and conditions of use, he must ensure that the proper personal protective equipment is provided consistent with information contained in Section's 7 and 8 of this MSDS.
HMIS RATINGS: Health 1, Flammability 1, Reactivity 1

The data contained herein are based on information currently available to McLaughlin Gormley King Company and, to the best of our knowledge, are accurate and based on sound expert opinion. Our statements herein, however, are not to be taken as a warranty or representation for which McLaughlin Gormley King Company assumes legal responsibility.

Material Safety Data Sheet prepared by T. Azzivitto



Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

Product Name: **WEATHERBLOK XT** Product No.: A12720G
EPA Signal Word: Caution
Active Ingredient(%): Brodifacoum Technical (0.005%) CAS No.: 56073-10-0
Chemical Name: 3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one
Chemical Class: A coumarin-type anticoagulant rodenticide
EPA Registration Number(s): 100-1055 Section(s) Revised: 14

2. HAZARDS IDENTIFICATION

Health and Environmental

Slightly irritating to the eyes. The active ingredient is designed to cause bleeding after repeated ingestion.

Hazardous Decomposition Products

None known.

Physical Properties

Appearance: Blue solid
Odor: Slight cereal and wax odor

Unusual Fire, Explosion and Reactivity Hazards

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen
Paraffin Wax	Not Established	2 mg/m ³ TWA (fume)	2 mg/m ³ TWA (fume) **	No
Oat Flour	10 mg/m ³ PEL	4 mg/m ³ TLV	Not Established	No
Brodifacoum Technical (0.005%)	Not Established	Not Established	0.002 mg/m ³ TWA ***	No

** recommended by NIOSH

*** Syngenta Occupational Exposure Limit (OEL)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: D

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

- Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.
- Skin Contact: If on skin or clothing: Take off contaminated clothing. Wash skin with soap and water.
- Inhalation: Not applicable.

Notes to Physician

This product contains anticoagulants with an effect similar to warfarin in that they act by interfering with the synthesis of prothrombin. The specific measure of effect is the prothrombin time. Note this may not become prolonged until 12-18 hours after ingestion. The specific antidote is Vitamin K1 (Phytomenandione BP).

Antidote must be administered under medical supervision. Initially, antidote should be given by injection (10-20 mg, or 0.25 mg/kg for children, by slow intravenous infusion at a rate not exceeding 1 mg/minute. In severe cases the use of fresh frozen plasma may be required). Maintenance treatment is given orally (40 mg/day in divided doses for adults; up to 20 mg/day in divided doses for children). The prothrombin time and the hemoglobin should be monitored. Patients should be kept under medical supervision until the prothrombin time has been normal for 3 consecutive days. Oral treatment may need to be continued for several months (20 mg/day in divided doses for adults, and up to 20 mg/day in divided doses for children). (For animal cases the dose is 2-5 mg/kg).

Each 20 g bar contains 1 mg of brodifacoum.

Further information is available from the Syngenta emergency number provided in this document.

Medical Condition Likely to be Aggravated by Exposure

As stated above this product contains anticoagulants with an effect similar to that of warfarin. The anticoagulant interferes with the synthesis of prothrombin. Significant exposure (e.g. ingestion) can cause anticoagulation effects and could aggravate existing blood clotting disorders.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method):	> 375°F (paraffin wax) Method: PMCC
Flammable Limits (% in Air):	Lower: Not Applicable Upper: Not Applicable
Autoignition Temperature:	Not Available
Flammability:	Not Applicable

Unusual Fire, Explosion and Reactivity Hazards

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Clean up spills immediately, observing precautions outlined in Section 8. Sweep up material and place in a compatible disposal container. Once all material is collected, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion:	Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
Eye Contact:	Eye protection is not required for normal handling. Where eye contact is likely, wear tight-fitting chemical goggles.
Skin Contact:	Gloves are not required for normal handling. Where heavy contact is likely, wear chemical resistant (such as nitrile or butyl) gloves.
Inhalation:	Respiratory protection is not required for normal handling. In the event of an unusual dust exposure, use engineering controls or a NIOSH-certified particulate respirator (N, P, R or HE filter) to keep exposure below the Occupational Exposure Limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue solid
Odor:	Slight cereal and wax odor
Melting Point:	130 °F (paraffin wax)
Boiling Point:	Not Applicable
Specific Gravity/Density:	1.15 g/ml
pH:	Not Available

Solubility in H₂O

Brodifacoum Technical:	Insoluble
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Vapor Pressure

Brodifacoum Technical:	6 x 10 ⁽⁻⁶⁾ mmHg @ 68°F (20°C)
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10. STABILITY AND REACTIVITY

Stability:	Stable under normal use and storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion:	Oral (LD50 Rabbit) :	> 5000 mg/kg body weight
Dermal:	Dermal (LD50 Rat) :	See "Other Toxicity Information", Sec. 11
Inhalation:	Inhalation (LC50 Rat) :	See "Other Toxicity Information", Sec. 11
Eye Contact:	See "Other Toxicity Information", Sec. 11	
Skin Contact:	See "Other Toxicity Information", Sec. 11	
Skin Sensitization:	Not Available	

Reproductive/Developmental Effects

Brodifacoum Technical: Not teratogenic, embryotoxic or fetotoxic in rats or rabbits at doses up to 0.02 mg/kg/day - the dose causing excessive maternal toxicity.

Non-genotoxic in a range of assays.

Chronic/Subchronic Toxicity Studies

Brodifacoum Technical: The biological half-life for brodifacoum in body tissue in rats is > 100 days. Adverse clinical effects can develop from body accumulation. Prolonged prothrombin time, depression, pallor, subcutaneous hemorrhage, bleeding of nose or gums, gastrointestinal hemorrhage, cerebral hemorrhage, shock and death can develop following exposures.

No neurotox studies have been conducted.

Carcinogenicity

Brodifacoum Technical: Unlikely to be carcinogenic.

Other Toxicity Information

Systemically toxic concentrations of this product will probably not be absorbed through human skin.

Because this product is a wax block, inhalation is not expected to be a normal route of exposure.

No irritation is likely to develop following contact with human eyes.

Irritation will probably not develop following contact with human skin.

Effects of overexposure are those of anticoagulant overdose, i.e., reduced blood clotting ability with spontaneous bleeding in various organs. Body accumulation can result from repeated exposures since the half-life of brodifacoum is > 100 days. Individuals with blood clotting disorders may be more susceptible to overexposure effects.

Toxicity of Other Components

Oat Flour

In normal use this product does not present a serious health risk and ingestion has no adverse effects.

Paraffin Wax

Inhalation of fumes may cause nausea and irritation. Good laboratory procedures are recommended when handling this compound. This is expected to be a low hazard for usual industrial handling.

Target Organs

Active Ingredients

Brodifacoum Technical: Blood

Inert Ingredients

Oat Flour: Lung

Paraffin Wax: Not Applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

Brodifacoum Technical:

Fish (Rainbow Trout) 96-hour LC50 0.02 ppm

Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 0.98 ppm

Bird (Mallard Duck) 21-day LD50 0.26 mg/kg

Environmental Fate

Brodifacoum Technical:

The information presented here is for the active ingredient, brodifacoum.

Not persistent in soil. Stable in water. Immobile in soil. Sinks in water (after 24 h).

13. DISPOSAL CONSIDERATIONS

Disposal

Do not reuse empty container except for holding additional product.

Characteristic Waste: Not Applicable

Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification

Ground Transport - NAFTA
Not regulated.

Comments

Water Transport - International
Not regulated.

Air Transport
Not regulated.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Not Applicable

California Proposition 65

Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

None

RCRA Hazardous Waste Classification (40 CFR 261)

Not Applicable

TSCA Status

Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
Instability: 0

HMIS Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 0

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 9/20/2000

Revision Date: 2/4/2011

Replaces: 7/16/2010

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS

Plunkett's *Pest Control*

Earning Your Trust Since 1915

September 20th 2011

Robert,
Here is the information you requested.

1.7.2 Plunketts will perform once per month pest control service to the bus barn including entry ways, break areas, rest rooms and offices on request.

Let me know if you need additional information.

Thanks,

Ken Petrmichl

Plunketts Pest Control

402-660-0301

Ken.petrnichl@plunketts.net

SPECIFICATIONS

PEST MANAGEMENT SERVICES - STARTRAN

1. SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

- 1.1 It is the intent of this bid to select a vendor to provide comprehensive Pest Control Services for buildings operated by the City of Lincoln Transit System, hereinafter referred to as StarTran , located at 710 J Street, Lincoln, NE.
 - 1.1.1 Pest Control Services is a process for achieving long-term, environmentally sound pest suppression and prevention through the use of a wide variety of technological and management practices.
 - 1.1.2 There are two buildings that will be serviced under this contract with specific uses.
 - 1.1.2.1 There is 9,000 square feet of office space and a total of 55,000 square feet of maintenance/garage space.
 - 1.1.2.2 There are no kitchen prep locations in either building.
- 1.2 Awarded Vendor shall furnish all supervision, labor, materials, and equipment necessary to accomplish the monitoring, trapping, pesticide application, pest removal and pest prevention components of this service control program.
- 1.3 Vendor Representatives working in or around the buildings specified in this contract must wear distinctive uniforms identifying the name of their employer.
- 1.4 Vehicles used by Vendor must be identified in accordance with State and local regulations.
- 1.5 All services provided under this contract shall be performed during regular business hours (8:00 - 4:00 pm, Monday - Friday, Excluding Holidays)
- 1.6 Beyond routine services, corrective, special or emergency services may be required.
 - 1.6.1 Vendor shall respond to these exceptional circumstances and complete the necessary work within twenty-four (24) hours after receipt of the request.
 - 1.6.2 Certain areas within buildings may require special instructions for persons entering them.
 - 1.6.2.1 Any restrictions associated with these special areas will be explained by a StarTran designee.
- 1.7 Vendor shall provide the following documents as part of their bid response by attaching the information requested to the Response Attachment section of their bid response:
 - 1.7.1 Current Labels and Material Safety Data Sheets for all pesticides that will potentially be used in the pest control program.
 - 1.7.2 A schedule of routine pest control inspections for each building serviced under this contract, including frequencies of inspections, areas at each facility to be given special attention (e.g., food storage, washrooms, entryways, custodial closets, mechanical rooms, etc.) and specific day(s) of the week on which the inspections will be performed.

- 1.7.2.1 StarTran is currently receiving monthly service. The last service invoice indicates that 16 oz. of the chemical I-cyhalothrin was sprayed in the building at a rate of 1gal/1,000 sq. feet.
 - 1.7.3 A photocopy of the State-issued Commercial Pesticide Applicator License for every Contractor performing on-site pest control service under this contract and a photocopy of the State-issued Commercial Pesticide Applicator Certificate for every pest management professional performing on-site pest control service.
 - 1.7.3.1 Service Provider will review and update plan annually, including updating MSDS/labels as needed.
- 1.8 Bidder shall submit bid documents and all supporting material via e-bid.
- 1.9 All inquiries regarding these specifications shall be directed via e-mail or faxed written request to Bob Walla, Asst. Purchasing Agent (rwalla@lincoln.ne.gov) or fax: (402) 441-6513.
 - 1.9.1 These inquiries and/or responses shall be distributed to prospective bidders electronically as an addenda as needed.
 - 1.9.2 No direct contact is allowed between Vendor and other City staff throughout the bid process.
 - 1.9.2.1 Failure to comply with this directive may result in Vendor bid being rejected.
- 1.10 Startran receives funding from the Federal Government for the operation of their program.
 - 1.4.1 Vendors must read, acknowledge and follow the requirements of the Federal guidelines attached to the bid.
 - 1.4.2 Failure to agree to the Federal Requirements or return certifications as required will result in the rejection of bid.
- 1.11 A Pre-bid meeting will be held on Wednesday, September 7, 2011 at 9:00am at the StarTran Office, 710 J Street, Lincoln, NE., meeting in the entryway on the South side of the building.

2. PEST CONTROL SPECIFICATIONS

- 2.1 Vendor must be an approved or licensed pest control company in the State of Nebraska.
 - 2.1.1 Vendor must have a minimum of five (5) years continuous experience during which time pest control services has been the primary business service.
 - 2.1.2 Vendor must follow all applicable Local, State and Federal laws and guidelines for the handling and application of chemicals and traps in the function of Pest Control Services.
- 2.2 Vendor shall be responsible for the control of rodents and insects at the StarTran facility.
 - 2.2.1 Vendor must outline the procedure it will use for the control of insects and rodents inside the building and it's perimeter.
 - 2.2.1.1 This procedure/information shall be typed on company letterhead and attached to the response attachment section of the bid.

- 2.2.1.2 Rodent and insect control must be performed on the interior and exterior of buildings.
 - 2.2.1.3 Rodents consist of, but are not limited to, crawling insects, ants, mice, spiders, recluse spiders, crickets, pigeons, and roaches.
 - 2.3 Vendor must provide monthly inspection services and any application materials with the option to reduce or add frequencies of service.
 - 2.3.1 In the event that insects or rodents are still present following the monthly treatment, the designee shall contact Vendor for another treatment at no cost to requested facility.
 - 2.3.1.1 Such additional treatments shall be completed within 24 hours of call from location contact designee.
 - 2.4 Acceptable forms of pest control include but are not limited to: chemical spraying, glue boards, tamper resistant rodent bait stations and multi-catch traps.
 - 2.5 Vendor must maintain a monthly record of services provided at the facility.
 - 2.5.1 Record must show the date and type of service performed each month, MSDS sheets for all chemicals used and locations of all traps in and out of building along with a copy of the Commercial Pesticide Applicator Licenses and Certificates.
 - 2.5.2 Such record shall be kept in the office of the designee with his or her initials on each date to verify that service was performed according to contract.
 - 2.6 Vendor shall point out any areas of concern regarding pest control to designee to avoid an infestation problem in the future.
 - 2.7 In the event additional services or items are required, Vendor must provide a written quote to the designee with proposal costs and terms prior to completing any services.
 - 2.8 The Vendor shall obtain and pay for all licenses, permits and inspection fees required for this project.
 - 2.9 No storage of pesticides allowed at the location.

3. **CONTRACT TERM**

- 3.1 The initial contract term shall be two (2) years from the date of execution with the option to renew for one (1) additional two (2) year term upon written agreement by all parties.

4. **INVOICING**

- 4.1 All invoices must be sent to the StarTran within ten (10) days of service.
 - 4.1.1 Invoices must include department, date, location of service, services provided and an account number.
 - 4.1.2 Location contact designee must sign off on any Vendor invoice or Service Ticket upon completion of monthly service.
 - 4.1.2.1 **Failure to get StarTran designee's signature shall result in non-payment for that month.**