



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

Page 1

"DuPont" "ADVION" COCKROACH GEL BAIT
M0000626 Revised 27-FEB-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"ADVION" is a registered trademark of DuPont.

"DuPont" is a trademark of DuPont.

CAS Name : INDOXACARB

Product Use

Insecticide For Use in Residential, Institutional,
Commercial, and Industrial Areas.

Tradenames and Synonyms

INDOXACARB

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

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

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
INDOXACARB	173584-44-6	0.6
(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		99.4
OTHER INGREDIENTS		

HAZARDS IDENTIFICATION

Emergency Overview

CAUTION. Avoid contact with skin, eyes or clothing.
Wash thoroughly with soap and water after handling.

KEEP OUT OF REACH OF CHILDREN.

Avoid treating areas that are easily accessible to
children and pets.

Potential Health Effects

Based on animal testing, no biologically significant effects are
expected from skin or eye contact or by ingestion.

Carcinogenicity Information

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 a carcinogen.

FIRST AID MEASURES

First Aid

IF ON SKIN OR CLOTHING: No specific intervention is
indicated as the product is not likely to be hazardous to
the skin. Consult a physician if necessary.

IF INHALED: No specific intervention is indicated as the
product is not likely to be hazardous by inhalation.
Consult a physician if necessary.

IF IN EYES: No specific intervention is indicated as the
product is not likely to be hazardous to the eyes. Consult
a physician if necessary.

IF SWALLOWED: No specific intervention is indicated as the
product is not likely to be hazardous by ingestion. Consult
a physician if necessary.

Have the product container or label with you when calling
a poison control center or doctor, or going for treatment.
You may also contact 1-800-441-3637 for emergency
medical treatment information.

FIRE FIGHTING MEASURES

Flammable Properties

Flashpoint: >100°C

Not a fire or explosion hazard.

Extinguishing Media

Water, Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus.

Initial Containment

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

Spill Clean Up

For small spills, use cloth or paper towels and place collected material and towels in appropriate container for disposal.

For larger spills, soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up and transfer to an approved waste container for disposal. After removal of spilled material, wash the affected areas with water and detergent.

HANDLING AND STORAGE

Handling (Personnel)

Do not apply to surfaces that food contacts. Do not allow open foods to contact gel material.

Wash thoroughly with soap and water after handling.

Handling (Physical Aspects)

Do not use this product in or on electrical equipment where a possibility of shock hazard exists.

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.

Storage

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

Store in a cool, dry place inaccessible to children and pets.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

No PPE is specified for use when using this product according to label directions; however, avoid contact with skin, eyes and clothing.

Exposure Guidelines

Applicable Exposure Limits

INDOXACARB		
PEL (OSHA)	:	Particulates (Not Otherwise Regulated) 15 mg/m ³ , 8 Hr. TWA, total dust 5 mg/m ³ , 8 Hr. TWA, respirable dust
AEL * (DuPont)	:	1 mg/m ³ 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.

(ECOLOGICAL INFORMATION - Continued)

Acute Dietary LC50 - Mallard Duck : >5620 ppm

Based on the above results for birds, acute RQs were < 0.03 and chronic RQs were < 0.1, and no LOCs were exceeded.

DISPOSAL CONSIDERATIONS

Waste Disposal

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

Do not reuse/refill the gel bait dispenser. Place empty dispensers in trash or offer for recycling if available.

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 dispensers in trash, offer for recycling, or call your local solid waste authority or 1-888-638-7668 for disposal instructions.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO/IATA

Proper Shipping Name : Not Regulated

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes

Chronic : No

Fire : No

Reactivity : No

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA Reg. No. 352-652

OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS: DuPont Crop Protection
Address : Wilmington, DE 19898
Telephone : 1-888-638-7668

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS

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: **OPTIGARD ANT GEL BAIT** Product No.: A15236A
 EPA Signal Word: Caution
 Active Ingredient(%): Thiamethoxam (0.01%) CAS No.: 153719-23-4
 Chemical Name: 4H-1,3,5-Oxadiazin-4-imine,3-[(2-chloro-5-thiazolyl) methyl]tetrahydro-5-methyl-N-nitro-
 Chemical Class: Neonicotinoid Insecticide
 EPA Registration Number(s): 100-1260 **Section(s) Revised: New**

2. HAZARDS IDENTIFICATION

Health and Environmental

Irritating to eyes and skin.

Hazardous Decomposition Products

May decompose at high temperatures forming toxic gases.

Physical Properties

Appearance: Colorless to clear solid

Odor: Odorless

Unusual Fire, Explosion and Reactivity Hazards

This product will undergo a very strong exothermic decomposition reaction at 300°F.

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
Thiamethoxam (0.01%)	Not Established	Not Established	3 mg/m ³ TWA ***	No

*** Syngenta Occupational Exposure Limit (OEL)

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

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. 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.

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flash Point (Test Method):	Not Available	
Flammable Limits (% in Air):	Lower: Not Applicable	Upper: Not Applicable
Autoignition Temperature:	Not Available	
Flammability:	Not Available	

Unusual Fire, Explosion and Reactivity Hazards

This product will undergo a very strong exothermic decomposition reaction at 300°F.

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 outlined in Section 8. Sweep up material and place in a 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, PACKAGING AND USE 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 (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.
Inhalation: A respirator is not normally required when handling this substance.

In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to clear solid
Odor: Odorless
Melting Point: Not Available
Boiling Point: Not Applicable
Specific Gravity/Density: 1.26 g/cm³ @ 68°F (20°C)
pH: 6.6 (1% in deionized H₂O @ 77°F (25°C))

Solubility in H₂O

Thiamethoxam: 4.1g/l @ 77°F (25°C)

Vapor Pressure

Thiamethoxam: 2 x 10⁽⁻¹¹⁾ 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: May decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

Ingestion: Practically Non-Toxic
Oral (LD₅₀ Female Rat) : > 5,000 mg/kg body weight
Dermal: Practically Non-Toxic
Dermal (LD₅₀ Rat) : > 5,050 mg/kg body weight
Inhalation: Practically Non-Toxic
Inhalation (LC₅₀ Rat) : > 2.61 mg/l air - 4 hours
Eye Contact: Minimally Irritating (Rabbit)
Skin Contact: Practically Non-Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects

Thiamethoxam: Developmental: Not teratogenic. Developmental delays at maternally toxic doses.
Reproductive: No biologically important reproductive effects. Minor testis effects at high doses with no effect on reproduction.

Chronic/Subchronic Toxicity Studies

Thiamethoxam: Subchronic: Predominantly liver and kidney effects at high doses. Not neurotoxic.
Chronic: Predominantly liver and kidney effects at high doses.
Acute: Transient clinical signs at high doses. No changes to nervous tissue.

Carcinogenicity

Thiamethoxam: Liver tumors at high doses noted in mice that are not relevant to humans. No treatment-related tumors in rats.

Other Toxicity Information

None

Toxicity of Other Components

Not Applicable

Target Organs

Active Ingredients

Thiamethoxam: Liver, kidney

Inert Ingredients

Not Applicable

12. ECOLOGICAL INFORMATION

Summary of Effects

Thiamethoxam:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Eco-Acute Toxicity

Thiamethoxam:

- Fish (Rainbow Trout) 96-hour LC50 > 100 ppm
- Fish (Bluegill Sunfish) 96-hour LC50 > 114 ppm
- Bird (Mallard Duck) LD50 Oral 576 mgk
- Invertebrate (Daphnia Magna) 48-hour EC50 > 106 ppm
- Bird (Bobwhite Quail) 8-day dietary LC50 > 5200 ppm
- Bee (Contact) LD50 0.024 ug/bee
- Bird (Mallard Duck) 8-day dietary LC50 > 5200 ppm
- Green Algae 4-day EC50 > 97 ppm

Eco-Chronic Toxicity

Thiamethoxam:

- Invertebrate (Water Flea) 21-day LOEC 101 ppm
- Fish (Fathead Minnow) LOEC 900 ppm

Environmental Fate

Thiamethoxam:

The information presented here is for the active ingredient, thiamethoxam.
Not persistent in soil. Stable in water. Moderate mobility in soil. Floats 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

Not regulated.

B L Freight Classification

Insecticides, NOIBN, O T Poison

Comments

Water Transport - International
Not regulated.

Air Transport - International
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

HIMIS 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: 12/7/2006

Revision Date:

Replaces:

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

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand 388B ADVANCE® Ant Gel Bait

EMERGENCY PHONE NUMBERS:

MEDICAL: 800-225-3320 (PROSAR)

TRANSPORTATION: 800-424-9300 (CHEMTREC)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRESCRIPTION TREATMENT® brand 388B ADVANCE® Ant Gel Bait
EPA Reg. No.: 499-492
Product Code(s): 02-0388 (20 x 30 grams)
EPA Signal Word: CAUTION
Distributed by: Whitmire Micro-Gen Research Laboratories, Inc.
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION INFORMATION

ACTIVE INGREDIENTS (5.4%)	%	CAS NO.
Sodium Tetraborate Decahydrate (Borax)	5.4%	1303-96-4
OTHER INGREDIENTS* (94.6%)		

* All ingredients may not be listed. Ingredients not listed do not meet the reporting requirements of the OSHA Hazard Communication Standard (HCS) as specified in 29 CFR 1910.1200.

EXPOSURE INFORMATION

Material	OSHA PEL*		ACGIH TLV	
	STEL	TWA	STEL	TWA
Sodium Tetraborate Decahydrate (Borax)	NE	10 mg/m ³	NE	5 mg/m ³

* Cal. OSHA PEL = 5 mg/m³ (TWA)

SECTION 3. HAZARDS IDENTIFICATION

SIGNS/SYMPTOMS OF EXPOSURE

May cause slight irritation to eyes. Prolonged contact with skin may cause mild irritation. If swallowed in large quantities, this product may cause gastrointestinal symptoms.

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may release toxic fumes of carbon monoxide and/or carbon dioxide, nitrogen, sodium and/or chloride.

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known.

SECTION 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Describe any symptoms and follow the advice given.

Ingestion: Call a poison control center or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: Hold eyes open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin Contact: 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.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency Telephone Number of Prosar: 800-225-3320 (for medical emergencies.)

SECTION 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

Flash Point: NA (water based formulation)

Explosibility Limits in Air (% by volume):

Lower (LEL) = NA

Upper (UEL) = NA

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS

None known.

IN CASE OF FIRE

Extinguisher Media: CO₂, Dry Chemical, Foam

Special Fire Fighting Procedures: None required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

If container begins to leak (through puncture, etc.), collect and contain for salvage or disposal. Residual surface material may be removed with towels moistened with water. Dispose of wastes as directed below.

This product contains no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) listed chemicals. Releases of this product are NOT reportable to the National Response Center.

Emergency Telephone Number of Chemtrec: (800) 424-9300 (for transportation spills)

PROTECTIVE EQUIPMENT FOR CLEANUP PERSONNEL

Eyes: Use proper protection – safety glasses are recommended.

Skin: Wear waterproof gloves. (Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Inhalation: None required.

WASTE DISPOSAL METHOD

Do not contaminate water, food or feed by storage or disposal of wastes. Take full or leaking containers to a local disposal company for biological treatment or incineration. Review all Local, State, and Federal regulations concerning health and pollution to determine approved disposal procedures. NEVER PLACE WASTES DOWN ANY INDOOR OR OUTDOOR DRAIN OR SEWER.

SECTION 7. HANDLING AND STORAGE

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Keep out of reach of children. CAUTION – Harmful if swallowed. Wash hands thoroughly after handling. May cause eye irritation. Avoid eye contact.

OTHER PRECAUTIONS

Avoid contamination of feed and foodstuffs.

STORAGE

Do not contaminate water, food or feed. STORE IN A COOL, DRY AREA. Keep container tightly closed. Store in original container away from food and feed-stuffs and in an area inaccessible to children.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Respiratory Protection: None required when used according to label directions

Protective Gloves: Waterproof gloves are recommended if prolonged or repeated skin contact is likely. (Good practice requires that gross amount of any chemical be removed from the skin as soon as practical, especially before eating or smoking.)

Eye Protection: Use proper protection – safety glasses are recommended.

Other Protective Equipment: None required.

MATERIAL SAFETY DATA SHEET

PRESCRIPTION TREATMENT® brand 388B ADVANCE® Ant Gel Bait

VENTILATION

Local Exhaust: None required.
Mechanical: None required.
Special: None required.
Other: None required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear gel
Solubility in Water: NE
Viscosity: NE
Boiling Point: NE
pH: NE
Odor: No noticeable odor
Vapor Pressure: NE
Vapor Density: NE
Freezing/Melting Point: NE
Density: 1.23 g/ml @ 20° C

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

Stability: Indefinite
Conditions to Avoid: Do not apply onto very hot surfaces.
Incompatibility (Material to Avoid): Strong reducing agents such as metal hydrides or alkali metals. Strong oxidizing agents.
Hazardous Polymerization: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may release toxic fumes of carbon monoxide and/or carbon dioxide, nitrogen, sodium and/or chloride.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Primary: Skin **Secondary:** Ingestion **Tertiary:** Inhalation

ACUTE

Eyes: Product is considered minimally irritating to eyes. Product produced conjunctival irritation in rabbits clearing within 48 hours. No iritis was observed.
Skin: Product is considered a slight irritant. Prolonged exposure may cause skin irritation. Primary skin irritation index = 0.3 (rabbits). Acute dermal toxicity – LD₅₀ > 5000 mg/kg (rabbits).
Ingestion: Majority of ingredients are food grade material and, if swallowed accidentally, are not likely to cause effects. If swallowed in large amounts, person may experience gastrointestinal symptoms. Acute oral toxicity – LD₅₀ > 5,000 mg/kg (rats)

CHRONIC / CARCINOGENICITY

Neither this product nor any of its ingredients are classified as carcinogens by the National Toxicity Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

SECTION 12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

SECTION 13. DISPOSAL CONSIDERATION

Do not contaminate water, food or feed by disposal. Dispose of container and wastes in accordance with all Federal, state and local regulations.

Container Disposal: Do not reuse this container. Wrap and place in trash collector.

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

SECTION 14. TRANSPORT INFORMATION

This product is not regulated for transportation via any mode of transport.

SECTION 15. REGULATORY INFORMATION

CERCLA

This product contains no CERCLA listed chemicals.

SARA TITLE III SECTION 311/312 HAZARD CLASS

This product has been reviewed and does not fall into any EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III).

SARA TITLE III SECTION 313 CHEMICALS

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimus concentration level.

TSCA

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

NFPA HEALTH RATING INFORMATION

HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

HMIS HAZARD RATING INFORMATION

HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

KEY:	4 = Severe
	3 = Serious
	2 = Moderate
	1 = Slight
	0 = Minimal

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.

Questions concerning the safe handling of the product should be referred to the Whitmire Micro-Gen Customer Service Department at 800-777-8570.

NA - Not Applicable
NE - Not Established
PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
STEL - Short Term Exposure Limit (15 min.)
TWA - Time Weighted Average (8 hrs)



WHITMIRE MICRO-GEN
RESEARCH LABORATORIES, INC.

Issue Date: 2/16/93
Revised: 02/12/09

MATERIAL SAFETY DATA SHEET

NIBAN[®] GRANULAR BAIT

Health Emergencies: CHEMTREC[®] (800) 424-9300

SECTION I - PRODUCT INFORMATION

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853
(800) 264-0870 FAX: (865) 577-5825

Product Trade Name: **NIBAN GRANULAR BAIT**
Product Class: Pesticide Bait
EPA Reg. No. 64405-2
Active Ingredient: Boric Acid CAS No.: 10043-35-3
Hazard Rating: NFPA Health 0
Fire 0
Reactivity 0

SECTION II - HAZARDOUS INGREDIENTS

None

SECTION III - PHYSICAL DATA

Appearance: Brown, Granular Particles
Specific Gravity: 0.62 Solubility in water: N/A
Volatile by weight: None Odor: None pH: N/A

SECTION IV - HEALTH HAZARD INFORMATION

EYE CONTACT: Avoid dust contact with eyes. May cause eye irritation.

SKIN CONTACT: Not an irritant.

INGESTION: This material may be harmful if swallowed.

INHALATION: Breathing dust may cause irritation of nose and throat.

Acute Oral LD₅₀ - Greater than 5000 mg/kg
Acute Dermal LD₅₀ - Greater than 2000 mg/kg.
Dermal irritation - Not a primary irritant
Dermal Sensitivity - Not a sensitizer.

SECTION V - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush eyes for at least 15 minutes with clean water. Seek medical attention if irritation persists.

SKIN CONTACT: Wash with soap and water.

INGESTION: If more than one (1) to two (2) ounces are ingested, induce vomiting and seek medical attention.

INHALATION: Remove victim to fresh air. Contact a physician if warranted.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Not Applicable

HAZARDOUS POLYMERIZATION: None

HAZARDOUS DECOMPOSITION PRODUCTS: On burning
See Fire Data.

SECTION VII - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

EXTINGUISHING MEDIA: CO₂ dry powder or universal type foam.

FIRE AND EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: Burning product produces smoke, carbon dioxide and carbon monoxide. Self-contained breathing apparatus should be used.

SECTION VIII - SPILL OR LEAK PROCEDURES

IN CASE OF SPILL OR LEAK: Dispose of in approved landfill.

DISPOSAL METHOD: Disposal to landfill in accordance with federal, state and local regulations.

SECTION IX - SPECIAL HANDLING INFORMATION

Store in dry place.

RESPIRATORY PROTECTION: Dust mask.

VENTILATION: Exhaust to ventilate. If used in confined areas, use dust mask.

PROTECTIVE CLOTHING: None.

EYE PROTECTION: Use dust goggles

OTHER PROTECTIVE EQUIPMENT: None.

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. This information and product are furnished on the condition that the persons receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.



100 Nisus Drive, Rockford, TN 37853
(800) 264-0870
www.nisuscorp.com

MATERIAL SAFETY DATA SHEET CATCHMASTER RODENT AND INSECT GLUE

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1. IDENTITY OF THE PRODUCT AND OF THE MANUFACTURER

Products Name: CATCHMASTER / DEAD END (Rodent and Insect Glue)

Ministerial Registration Number: The Products are freely sold in the U.S.A. Market. Each individual package must carry the E.P.A. Establishment Number. Please see Section 18 for details.

Manufacturer: A P & G Co., Inc.
170 – 53rd Street
Brooklyn, New York 11232 – U.S.A.
Tel. No.: 718.492.3648
Fax No.: 718.439.0039

2. INGREDIENTS COMPOSITION AND INFORMATION

- 2.1 Ingredients:
- a. Polybutylenes
 - b. Polyisobutylenes
- a) Chemical Name:
- a. Polybutylenes
 - b. Polyisobutylenes
- b.) CATCHMASTER insect and/or rodent traps function by means of a permanently tacky polymeric coating.
- c.) These coatings contain the same group of resins coated on plastic trays or paper cardboard. However, the percentage of each component varies for each formula. Therefore, the following data apply to each of the following items marketed under the trade mark names of CATCHMASTER and DEAD END.

d.) The specific chemical identities of the ingredients of this mixture are considered by A P & G Co., Inc. to be Trade Secrets and are withheld in accordance with the provisions of 1910, 1200 of Title 29 of the Code of Federal Regulations U.S.A.

3. NATURE OF THE RISK

- 3.1 Risks for Health (Acute and Chronic): The Product can be harmful if swallowed in huge quantities and in case of contact with the skin.
- 3.2 Precaution norms: Keep out of reach of children and pets.
When using, do not contaminate food, drinks or containers meant to contain them.
Avoid contact with skin and eyes.
- 3.3 Hazardous Components: OSHA has established no permissible exposure limits for this blend of polymers. However, no significant health and safety hazard is expected since individual components of blend have good health and safety profile.

4. FIRST AID PROCEDURES

- 4.1 First Aid Measures: In case of contact with eyes, seek medical advice.
If swallowed in huge quantities seek medical advice.
In case of contact with skin, wash with solvent (petrol), or wipe clean with cosmetic hand or body lotion.

5. FIRE AND EPOSION HAZARD DATA

5.1 The CATCHMASTER glue tray is combustible in the same manner as paper.

Flash Point of Adhesive Glue is higher than 200 F. LEL – N/A. UEL – N/A

N.F.P.A. Rating: Health - 0. (Hazard very slight)
Fire - 1. (Hazard slight)
Reactivity - 0. (Hazard very slight)

5.2 Measure of Protection: Wear protective clothing and means of protection for eyes and respiratory passages

6. MEASURES IN CASE OF ACCIDENTAL LEAK

- 6.1 Personal Protection: PVC or rubber gloves, do not handle with bare hands.
Spread the product with means of spatulas
- 6.2 Procedures to be followed for disposal: The damaged product or the polluted material must be delivered to authorized companies for the appropriate disposal in accordance with norms into force.

7. HANDLING AND STORAGE PROCEDURES

- 7.1 Handling Precautions: Wear protective glasses during the pouring off of the product. Operate in well-ventilated places of work.
- 7.2 Storage Precautions: Max storage temperature + 60 °C.
Min. storage temperature + 5 °C.
Protect the product from humidity.

13. Disposal methods: The damaged product or the polluted material must be delivered to authorized companies for the appropriate disposal in accordance with norms into force.

14. TRANSPORT INFORMATION

- 14.1 Road and railway transport: ADR Not classified
- 14.2 Sea transport: IMDG -
- 14.3 Air transport: IATA -

In all type of transport, keep the product away from food, drink and animal foodstuff.

15. REGULATIONS INFORMATION

- 15.1 Classification and labeling: Symbol of danger: **NONE**
- 15.2 Risk phrases: None
- 15.3 Other precaution norms: Keep out of reach of children and pets.
 Do not contaminate food, drink or containers meant to contain them.
 Avoid contact with skin eyes.

16. OTHER INFORMATION

- 16.1 Emergency phone number: 718-492-3648
- 16.2 Other Information: The information described in this sheet is based on our actual knowledge, therefore, they must not be considered as guarantee of specific features. The user must follow under his own responsibility the norms in force. The above described information is valid for the product as it is. In case of combination mixture, make sure that no new danger may take place.

17. LIST OF PRODUCTS

<u>Model</u>	<u>Description</u>
CATCHMASTER PRODUCTS:	
72MB-CHOCOLATE	SUPER MOUSE SIZE GLUE BOARDS
72MB-CHERRY	SUPER MOUSE SIZE GLUE BOARDS
72MB-PEANUT BUTTER	SUPER MOUSE SIZE GLUE BOARDS
72MB	REGULAR MOUSE SIZE GLUE BOARDS
72PBM	MOUSE SIZE GLUE BOARDS – MOLASSES
72MB4.5	MOUSE SIZE GLUE BOARDS
72MBGL	MOUSE SIZE GLUE BOARDS
72TC	MOUSE & INSECT GLUE BOARD
72TB	TASTY BANANA MOUSE SIZE GLUE BOARDS
150MBGL	MOUSE & INSECT SIZE GLUE BOARDS
60RBGL	ECONO RAT GLUE BOARDS
24GRB	RAT SIZE GLUE BOARDS
48R	RAT SIZE GLUE TRAY (With Hercules Putty)
48RNHP	RAT SIZE GLUE TRAY (W/O Hercules Putty)
48RB	RAT SIZE GLUE TRAY (BULK)
48ROOF	RAT SIZE GLUE TRAP
48WRG	WALK-IN REFRIGERATOR GLUE TRAY
96M	MOUSE SIZE GLUE TRAYS

17. LIST OF PRODUCTS – Cont'd.

<u>Model</u>	<u>Description</u>
CATCHMASTER PRODUCTS – Cont'd.:	
100FF	FRUIT FLY TRAP
100I	INSECT TRAP & MONITOR
150RI	ROACH & INSECT TRAP & MONITOR
288I	INSECT TRAP & MONITOR
812B	FOOD & PANTRY MOTH GLUE TRAP
9FS10	FLY GLUE STRING (1000 Feet)
9FS15	FLY GLUE STRING (1500 Feet)
912	MINI GOLD STICK
962	LARGE GOLD STICK
902	GIANT FLY GLUE TRAP W/ SEX ATTRACTANT
948	FLY GLUE TRAP W/ SEX ATTRACTANT
924	FLY GLUE TRAP FOR 901 FLY LIGHT UNIT
925	FLY GLUE TRAP FOR 911 FLY LIGHT UNIT
9144BK	SCENTED BUG & FLY CATCHER BULK PACKED

18. Code Of Federal Regulations – UNITED STATES OF AMERICA, Title 40 -Protection of Environment. Volume No. 16, Parts 151 to 189 (July 1, 1999). Consult U.S.A. Government Printing Office, Washington, D.C.

18.1 Each single package of every CATCHMASTER Product is marked EPA – Establishment No. 48377-N.Y.-1 and DEAD END is marked EPA Establishment No. 66644-N.Y.-1. This mandated by the United States of America Environmental Protection Agency Regulations. Furthermore, detailed Annual Production and Sales Reports must be filed each and every year with the E.P.A., by the A P & G Co., Inc.

PCO

MSDS-2005-1. CATCHMASTER-

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