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DuPont
Material Safety Data Sheet

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"DuPont" "ADVION" ANT BAIT ARENA
M0000641 Revised 23-JAN-2007

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	0.1
(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		99.9
OTHER INGREDIENTS		

HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! Wash thoroughly with soap and water after handling bait stations.

Do not allow children or pets to play with the bait stations.

Potential Health Effects

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

The bait material containing the active ingredient is contained in a plastic station that prevents direct contact to the bait when handling. However, there is potential for allergic skin reaction by some individuals through repeated direct contact to the bait material.

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 skin contact is unlikely. If skin contact occurs, remove with soap and water and rinse. 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.

You may 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

Shovel or sweep up and dispose of collected bait material in waste container.

HANDLING AND STORAGE

Handling (Personnel)

Do not place arenas on food preparation surfaces.

Wash thoroughly with soap and water after handling.

(HANDLING AND STORAGE - Continued)

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

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.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form : Gel/Paste
Color : Brown
Odor : Characteristic/bland
Density : 1.09 g/mL @ 22°C
PH : 6.6
Solubility in Water : 0.2 ppm (a.i)

STABILITY AND REACTIVITY

Incompatibility with Other Materials

None reasonably foreseeable.

TOXICOLOGICAL INFORMATION

Animal Data

DuPont Advion Ant Bait Arena

Oral LD50: > 5000 mg/kg in female rats
Dermal LD50: > 5000 mg/kg in male/female rats

DuPont Advion Ant Bait Arena is not a skin or eye irritant, but is a skin sensitizer in animal tests.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Note that the following results are based on tests conducted under laboratory conditions using the technical material as the test substance. The technical material used in the tests contained 94.5% of the insecticidally active isomer and inactive isomer in an approximately 75:25 ratio.

(94.5% DPX-MP062 Technical)

AQUATIC TOXICITY:

96 hour LC50 - Bluegill sunfish: 0.90 mg/L.
96 hour LC50 - Rainbow trout : 0.65 mg/L.
48 hour EC50 - Daphnia magna : 0.60 mg/L.

Based on the above results for fish and invertebrates, risk quotients (RQs) were < 0.002 and no levels of concern (LOCs) were exceeded.

AVIAN TOXICITY:

Acute Oral LD50 - Bobwhite Quail : 98 mg/kg.
Acute Dietary LC50 - Bobwhite Quail: 808 ppm
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.

If empty: Do not reuse/refill this bait arena. Place empty bait arena in trash or offer for recycling if available.

If partially filled: 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. 352-664

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

Indicates updated section.

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

DuPont™ Advion®

ANT BAIT ARENA

Professional Products

FOR USE IN RESIDENTIAL, INSTITUTIONAL, COMMERCIAL, AND INDUSTRIAL AREAS for control of ants (excluding carpenter ants)

<i>Active Ingredient</i>	<i>By Weight</i>
Indoxacarb (S)-methyl 7-chloro-2,5-dihydro-2-[[methoxy-carbonyl][4(trifluoromethoxy)phenyl]amino]-carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate	0.1%
<i>Other ingredients</i>	99.9%
TOTAL	100.0%

EPA Reg. No. 352-664

Establishment Nos.:

Net Contents: oz bait arenas

Total Weight: oz (g)

**DO NOT ALLOW CHILDREN OR PETS TO
PLAY WITH THE BAIT STATIONS**

CAUTION

FIRST AID

You may contact 1-800-441-3637 for emergency medical treatment.

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)**

CAUTION

Wash thoroughly with soap and water after handling bait stations.



The miracles of science™

RESIDENTIAL, INSTITUTIONAL, COMMERCIAL, AND INDUSTRIAL AREAS

Use sites include but are not limited to single and multi-family residential buildings, institutional, commercial and industrial facilities (including schools, hospitals, warehouses, apartments, supermarkets, restaurants, motels, hotels, food handling/storage establishments, food manufacturing and processing facilities/plants), and transportation equipment such as aircraft, trains, ships, boats, buses.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

DuPont™ ADVION® ant bait arenas contain bait material with the active ingredient indoxacarb, an insecticide that acts through ingestion by ants. The activity of this insecticide allows adequate consumption of the bait by ants prior to onset of mortality. This provides enough time for foraging ants to return to nest sites and contaminate other colony members including larvae and queens. This action results in complete control of nuisance ant colonies. Placement of ADVION® Ant Bait Arenas in and around structures will kill foraging ants, including fire ants and harvester ants, but for complete control of outdoor nests of fire ants or harvester ants, use a broadcast or direct mound treatment product.

Space sprays or other residual materials should not be applied directly to or near the bait arenas. Application of these materials can cause ants to behave abnormally and therefore reduce the potential of feeding on the bait material inside the station. Foraging ants must be able to feed on the bait and return to the colony.

ADVION® ant bait arenas should be placed in areas where ants are currently foraging or foraging activity is suspected. The ant bait arenas should be placed adjacent to active foraging trails when possible. Care should be exercised in order to reduce the disturbance to the natural foraging pattern. If placed along foraging trails properly, ants should detect and begin feeding at the bait station within approximately 30 minutes. An increase in foraging activity around the station indicates good recruitment.

In child resistant packaging. Still use care when placing ant bait arenas, especially in or around homes or residential buildings.

Indoor Use:

1. Thoroughly inspect infested area to determine proper placement of ADVION® ant bait arenas.
2. Placement of 1-4 ant bait arenas where ants are observed is adequate to control normal ant infestations. Heavy infestations or infestations that are difficult to access or heavier infestations in larger areas may require application of additional ADVION® ant bait arenas.
3. ADVION® ant bait arenas may be placed on vertical surfaces by using an adhesive on the bottom of the station.
4. In addition to being placed directly along foraging trails, place ADVION® ant bait arenas along walls, under appliances or industrial equipment, inside garbage containers,

inside cabinets, under furniture, or any locations where there is ant activity or ants can potentially gain entry into a building or structure.

5. Do not place arenas on food preparation surfaces.
6. Inspect the ADVION® ant bait arenas periodically and replace as needed or every 2 to 3 months.

Outdoor Use:

1. Thoroughly inspect infested area to determine proper ADVION® ant bait arena placement. Pay close attention to areas where ants may gain access to a building or structure
2. Apply ADVION® ant bait arena on or near building/structure exterior areas where ants are actively foraging such as near tree bases, along exterior walls, around garbage-collection areas, utility accesses, windows, vents, or along the ground next to structures.
3. ADVION® ant bait arenas may be placed on vertical surfaces by using an adhesive on the bottom of the station.
4. Placement of 1-4 ant bait arenas where ants are observed is adequate to control normal ant infestations. Heavy infestations or infestations that are difficult to access or heavier infestations in larger areas may require application of additional ADVION® ant bait arenas.
5. Inspect the ADVION® ant bait arenas periodically and replace as needed or every 2 to 3 months.

STORAGE AND DISPOSAL

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

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

DISPOSAL: If empty - Do not reuse/refill this bait station. Place empty bait arena in trash or offer for recycling if available. If partially filled call your local solid waste authority for disposal instructions or 1-888-638-7668.

NOTICE TO BUYER--Purchase of this material does not confer any rights under patents of countries outside of the United States. .

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SL - 1088 081606 08-04-06

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For product information call: 1-888-6-DUPONT

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