

**DuPont™ Advion® Cockroach Gel Bait**

Version 2.1

Revision Date 19.03.2010

Ref.130000029437

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

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Product name : DuPont™ Advion® Cockroach Gel Bait

Synonyms : B12141924

Use of the Substance/Mixture : Biocidal product

Company : Du Pont de Nemours International S.A.  
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**2. HAZARDS IDENTIFICATION**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Avoid treating areas that are easily accessible to children and pets.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Indoxacarb (S-Enantiomer)	173584-44-6		T; R25 R43 N; R50/53	0,6

For the full text of the R-phrases mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES**

General advice : Never give anything by mouth to an unconscious person.

Inhalation : No hazards which require special first aid measures. Is not considered a potential route of exposure. Consult a physician if necessary.

Skin contact : No hazards which require special first aid measures. Wash with water and soap


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- as a precaution. In the case of skin irritation or allergic reactions see a physician.
- Eye contact : No hazards which require special first aid measures. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion : No hazards which require special first aid measures. Do not induce vomiting without medical advice. Rinse mouth with water. Consult a physician if necessary.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment., Water, Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>),
- Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk),
- Specific hazards during fire fighting : Not a fire or explosion hazard.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- (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.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Use appropriate container to avoid environmental contamination. Prevent further leakage or spillage. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. If the spill area is porous, the contaminated material must be collected for subsequent treatment or disposal. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : 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 or vacuum up spillage and collect in suitable container for disposal. Flush away traces with water.

Additional advice : Dispose of in accordance with local regulations.

**7. HANDLING AND STORAGE****Handling**

Advice on safe handling : Before using, read the product bulletin. Wear personal protective equipment. Do not get in eyes or mouth or on skin. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Wash hands before breaks and immediately after handling the product. Close container after each use. For personal protection see section 8.

Advice on protection against fire and explosion : Do not apply this product around electrical equipment due to the possibility of shock hazard.

**Storage**

Requirements for storage areas and containers : Store in original container. Keep in properly labelled containers. Keep tightly closed in a dry and cool place. Store in a place accessible by authorized persons only. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

Advice on common storage : No special restrictions on storage with other products.

Storage temperature : > 3 °C

Other data : Stable under recommended storage conditions.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Material: Protective gloves  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses with side-shields conforming to EN166

Hygiene measures : Regular cleaning of equipment, work area and clothing. Contaminated work clothing should not be allowed out of the workplace. Avoid prolonged contact with eyes, skin and clothing. When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feedingstuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

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Protective measures : No PPE is specified however, avoid contact with skin, eyes, and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : gel,  
Colour : light tan,  
Odour : slight,  
pH : 5,4 at 10 g/l ( 25 °C), Method: CIPAC MT 75  
Flash point : > 100 °C  
Flammability (solid, gas) : Does not sustain combustion.  
Oxidizing properties : The product is not oxidizing.  
Explosive properties : Not explosive  
Density : 1,123 g/cm<sup>3</sup> at 22 °C

**10. STABILITY AND REACTIVITY**

Conditions to avoid : Temperature : < 3 °C Protect from frost.  
Materials to avoid : No materials to be especially mentioned.  
Hazardous reactions : None reasonably foreseeable. No dangerous reaction known under conditions of normal use. Stable at normal temperatures and storage conditions.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50/ rat: > 5 000 mg/kg Method: OECD Test Guideline 425  
(Data on the product itself)  
Information source: Internal study report

Acute inhalation toxicity  
• Indoxacarb (S-Enantiomer) : LC50/ 4 h/ rat female: 4,2 mg/l

Acute dermal toxicity : LD50/ rat 5 000 mg/kg  
Method: OECD Test Guideline 402  
(Data on the product itself)  
Information source: Internal study report

Skin irritation : rabbit  
Result: No skin irritation Method: OECD Test Guideline 404 (Data on the product itself) Information source: Internal study report

Eye irritation : rabbit  
Result: No eye irritation Method: OECD Test Guideline 405 (Data on the product


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	itself) Information source: Internal study report
Sensitisation	: Local lymph node test mouse Result: Animal test did not cause sensitization by skin contact. Method: OECD Test Guideline 429 (Data on the product itself) Information source: Internal study report
Mutagenicity assessment	
• Indoxacarb (S-Enantiomer)	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not cause genetic damage in animals.
Carcinogenicity assessment	
• Indoxacarb (S-Enantiomer)	: Did not show carcinogenic effects in animal experiments.
Toxicity to reproduction assessment	
• Indoxacarb (S-Enantiomer)	: Animal testing did not show any effects on fertility.

**12. ECOLOGICAL INFORMATION**
**Elimination information (persistence and degradability)**

Biodegradability	: Not readily biodegradable. Estimation based on data obtained on active ingredient.
Bioaccumulation	: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
Toxicity to fish	
• Indoxacarb (S-Enantiomer)	: LC50 / 96 h/ <i>Lepomis macrochirus</i> (Bluegill sunfish) : 0,90 mg/l
Toxicity to algae	
• Indoxacarb (S-Enantiomer)	: / EC50/ 14 d/ <i>Lemna gibba</i> (duckweed): > 84,3 mg/l
	There were no detectable inhibitory effects on the cell density, growth, and growth rate of <i>Pseudokirchneriella subcapitata</i> after 72 or 120 hours exposure at the solubility limit in the test medium.
Aquatic toxicity	
• Indoxacarb (S-Enantiomer)	: / EC50/ 96 h/ <i>Mysidopsis bahia</i> (mysid shrimp): 0,0543 mg/l
Chronic toxicity to fish	
• Indoxacarb (S-Enantiomer)	: Early Life-Stage/ NOEC/ 90 d/ <i>Oncorhynchus mykiss</i> (rainbow trout): 0,15 mg/l Method:


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**Chronic toxicity to aquatic Invertebrates**

- Indoxacarb (S-Enantiomer) : / NOEC/ 21 d/ Daphnia magna (Water flea): < 1 mg/l

**Further information on ecology**

- Additional ecological information : No data is available on the product itself. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

**13. DISPOSAL CONSIDERATIONS**

- Product : Do not contaminate ponds, waterways or ditches with chemical or used container. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In accordance with local and national regulations.
- Contaminated packaging : Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

- Further information : Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**15. REGULATORY INFORMATION**
**Labelling according to EC Directives**

- Hazardous components: Indoxacarb (S-Enantiomer)
- R-phrases(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S-phrases(s) : S 2 Keep out of the reach of children.  
 S13 Keep away from food, drink and animal feedingstuffs.  
 S35 This material and its container must be disposed of in a safe way.  
 S46 If swallowed, seek medical advice immediately and show this container or label.
- Special labelling of certain mixtures : To avoid risks to man and the environment, comply with the instructions for use.
- Sensitising components contains:  
 Indoxacarb (S-Enantiomer)  
 Indoxacarb, (R-enantiomer)  
 May produce an allergic reaction.



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**16. OTHER INFORMATION**

**Text of R-phrases mentioned in Section 3**

R25	Toxic if swallowed.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information**

Before use read DuPont's safety information., Take notice of the directions of use on the label.

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

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