

Material Safety Data Sheet



DuPont™ Advion® Insect Granule

Version 2.1

Revision Date 04/29/2009

Ref. 130000051273

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® Insect Granule
Tradename/Synonym : B12258069
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 : 130000051273
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 contact with skin, eyes and clothing.

This product is toxic to: Fish Aquatic invertebrates

Potential Health Effects

This section includes potential 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 : 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	173584-44-6	0.22 %
Inert Ingredients		99.78 %

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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 Direction

SECTION 5. FIRE-FIGHTING MEASURES

- Fire and Explosion Hazard : Not a fire or explosion hazard.
- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Burning chemicals may produce by-products more toxic than the original material. Use water spray. Runoff from fire control may be a pollution hazard. Do not allow run-off from fire fighting to enter drains or water courses. Control Runoff. Cool containers / tanks with water spray.

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.

- Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus.
- Spill Cleanup : Shovel or sweep up. Avoid dust formation. Dispose of in an approved container.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Follow



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applicable Federal, State/Provincial and Local laws/regulations.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
- Storage : Store product in original container only, away from other pesticides, fertilizer, food or feed. Store in a cool, dry place. Avoid excessive heat. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : Use only in well-ventilated areas.
- Personal protective equipment
 - Skin and body protection : Applicators and other handlers must wear:
Long sleeved shirt and long pants
Shoes plus socks
- Protective measures : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Exposure Guidelines
 - Exposure Limit Values
None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : solid, granules
- Color : brown
- Odor : slight
- pH : 6.6
- Bulk density : 0.696 g/ml

SECTION 10. STABILITY AND REACTIVITY

- Stability : Stable at normal temperatures and storage conditions.
- Conditions to avoid : None reasonably foreseeable.
- Incompatibility : None reasonably foreseeable.


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SECTION 11. TOXICOLOGICAL INFORMATION
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Dermal LD50 : > 5,000 mg/kg , rat

Oral LD50 : > 5,000 mg/kg female, rat

Skin irritation : Species: rat, No skin irritation

Eye irritation : Species: rat, No eye irritation

Sensitisation : Species: guinea pig, Animal test did not cause sensitization by skin contact.

Indoxacarb

Inhalation 4 h LC50 : > 5.5 mg/l, rat

 Repeated dose toxicity : Inhalation, rat
Incoordination, Increased mortality or reduced survival

 multiple species
altered blood chemistry

Carcinogenicity : Did not show carcinogenic effects in animal experiments.

Mutagenicity : Did not cause genetic damage in cultured bacterial cells., Did not cause genetic damage in cultured mammalian cells., 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

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

21 d : NOEC Daphnia magna (Water flea) 0.075 mg/l

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. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply



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where/when conditions favour runoff. Run-off from treated areas may be hazardous to aquatic organisms in neighboring areas.

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. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

- Container Disposal : Do not refill container.
Do not reuse empty container.
Do not transport if this container is damaged or leaking.
In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.
Refer to the product label for 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. : 352-651
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 : Chemicals known to State of California to cause cancer, birth defects or any other harm: none known

SECTION 16. OTHER INFORMATION

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,



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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.