Material Safety Data Sheet

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 %

Inert Ingredients		99.95 %

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.

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

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

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

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

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

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