

# SAFETY DATA SHEET



## DuPont™ Advion® Cockroach Gel

Version 4.0

Revision Date 21.04.2010

Ref. 130000029457

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

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name : DuPont™ Advion® Cockroach Gel  
Use of the :  
Substance/Mixture :  
Company : Du Pont (Australia) Ltd  
7 Eden Park Drive  
Macquarie Park NSW 2113  
Australia

Telephone : (02) 9923 6111  
Telefax : (02) 9923 6011  
Emergency telephone : (02) 9923 6275 (Transport Emergency)  
(24 hr Emergency Medical Information: 1800 674 415)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

Chemical Name	CAS-No.	Concentration
Indoxacarb (S-Enantiomer)	173584-44-6	0.6 %
Inert Ingredients		99.4 %

### 3. HAZARDS IDENTIFICATION

#### Hazardous classification

Not classified as dangerous goods according to the ADG Code.

Not classified as hazardous according to criteria of NOHSC.

#### Risks

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety data

This material and its container must be disposed of as hazardous waste.

### 4. FIRST AID MEASURES

Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

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.

Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.


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**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Water, Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- 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 : Evacuate personnel and keep upwind of fire.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Wear self-contained breathing apparatus and protective suit. Ventilate the area.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
- 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 sawdust, sand, oil dry or other absorbent material. Sweep up and shovel into suitable containers for disposal. Flush away traces with water and detergent.
- Additional advice : Dispose of in accordance with local regulations.

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

- Advice on safe handling : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid contamination of food.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Do not apply this product around electrical equipment due to the possibility of shock hazard.

**Storage**

- Requirements for storage areas and containers : 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.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits**

No information available.

**Personal protective equipment**

Skin and body protection : No PPE is specified however, avoid contact with skin, eyes, and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: gel
Colour	: brown
Odour	: slight
pH	: 5.4
Flash point	: > 100 °C
Density	: 1.1 g/cm <sup>3</sup> at 22 °C

**10. STABILITY AND REACTIVITY**

Materials to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: No information available.

**11. TOXICOLOGICAL INFORMATION**Acute oral toxicity : LD50/rat female: > 5,000 mg/kg  
(Data on the product itself)Acute oral toxicity  
• Indoxacarb (S-Enantiomer) : LD50/rat female: 179 mg/kg  
/rat :  
nervous system effects such as  
Hypoactivity  
Tremors  
Incoordination  
Abnormal tearing  
mortality


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Acute inhalation toxicity	:	LC50/4 h/rat : > 5.5 mg/l Active ingredient
Acute dermal toxicity	:	LD50/rat : > 5,000 mg/kg (Data on the product itself)
Skin irritation	:	rabbit Result: No skin irritation (Data on the product itself)
Eye irritation	:	rabbit Result: No eye irritation
Eye irritation	:	rabbit Result: No eye irritation
• Indoxacarb (S-Enantiomer)	:	
Sensitisation	:	mouse Classification: Did not cause sensitization on laboratory animals.
Repeated dose toxicity	:	The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
• Indoxacarb (S-Enantiomer)	:	
		Inhalation, rat Incoordination, Increased mortality or reduced survival
		Oral, rat Red blood cell destruction causing abnormal decrease in number of red blood cells (anaemia)
Mutagenicity assessment	:	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. Active ingredient
Mutagenicity assessment	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Did not cause genetic damage in animals.
• Indoxacarb (S-Enantiomer)	:	
Carcinogenicity assessment	:	Did not show carcinogenic effects in animal experiments. Active ingredient
Carcinogenicity assessment	:	Did not show carcinogenic effects in animal experiments.
• Indoxacarb (S-Enantiomer)	:	
Toxicity to reproduction assessment	:	Animal testing did not show any effects on fertility. Active ingredient
Toxicity to reproduction assessment	:	Animal testing did not show any effects on fertility.
• Indoxacarb (S-Enantiomer)	:	


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**Assessment teratogenicity**

- Indoxacarb (S-Enantiomer) : Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity.

**12. ECOLOGICAL INFORMATION**
**Ecotoxicity effects**

Toxicity to fish : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 0.65 mg/l  
Active ingredient

LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 0.90 mg/l  
Active ingredient

**Toxicity to fish**

- Indoxacarb (S-Enantiomer) : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 0.65 mg/l

Toxicity to algae : EC50/14 d/Lemna gibba (duckweed): > 84.3 mg/l  
Active ingredient

**Toxicity to algae**

- Indoxacarb (S-Enantiomer) : EC50/14 d/Lemna gibba (duckweed): > 84.3 mg/l (Biomass)

Method: Directive 67/548/EEC, Annex V, C.3.

There were no detectable inhibitory effects on the cell density, growth, and growth rate of Pseudokirchneriella subcapitata after 72 or 120 hours exposure at the solubility limit in the test medium.

Aquatic toxicity : EC50/48 h/Daphnia magna (Water flea): 0.60 mg/l  
Active ingredient

**Aquatic toxicity**

- Indoxacarb (S-Enantiomer) : EC50/48 h/Daphnia magna (Water flea): 0.60 mg/l

EC50/96 h/Mysidopsis bahia (mysid shrimp): 0.0543 mg/l

**Further information on ecology**

Additional ecological information : No data is available on the product itself.

**13. DISPOSAL CONSIDERATIONS**

Product : Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations. Place empty dispensers in trash or offer for recycling if available.

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Contaminated packaging : Do not re-use empty containers. Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

Further information : Not classified as dangerous goods according to the ADG Code.

### 15. REGULATORY INFORMATION

R-phrase(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S60 This material and its container must be disposed of as hazardous waste.

Further information : Not classified as hazardous according to criteria of NOHSC.

#### National regulatory information

SUSDP : Schedule 5

### 16. OTHER INFORMATION

#### Sources of key data used to compile the Safety Data Sheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

#### Department:

Du Pont (Australia) Ltd  
7 Eden Park Drive  
Macquarie Park NSW 2113  
Australia

#### Further information:

® DuPont's registered trademark

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

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, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.