



SAFETY DATA SHEET

DUPONT™ ADVION® ANT GEL

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification	ADVION® ANT GEL
Product description	Indoxacarb gel bait
Recommended use	Insecticide bait for control of ants.
Company details	DuPont (New Zealand) Limited 98 Kerrs Road PO Box 97641, SAMC Manukau City AUCKLAND
Telephone	(09) 268 5500
Fax	(09) 268 5490
24-hour Emergency phone	0800 243 622
Date of issue	August 2010

2. HAZARDS IDENTIFICATION

HSNO Classification	9.4C
Hazards	May cause sensitisation from prolonged skin contact. May cause organ damage from repeated oral exposure at high doses. Ecotoxic-harmful to aquatic organisms. Toxic to terrestrial invertebrates.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Proportion
Indoxacarb	173584-44-6	0.05%
Related Isomers & impurities	not allocated	< 0.05%
Inert Ingredient		> 99%

4. FIRST AID MEASURES

Inhalation	No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a doctor if necessary.
Skin Contact	Wash hands with soap and water. The product is not likely to be hazardous to the skin. Consult a doctor if necessary.
Eye Contact	Rinse eyes thoroughly with water. The product is not likely to be hazardous to the eyes. Consult a doctor if necessary.
Ingestion	No specific intervention is indicated as the product is not likely to be hazardous by ingestion. Consult a doctor if necessary.



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5. FIRE FIGHTING MEASURES

Flammable Properties	Non flammable.
Extinguishing Media	Water, Water Spray, Foam, Dry Chemical, CO ₂ .
Fire Fighting Instructions	Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard. If the area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment.
Hazchem code	NA

6. ACCIDENTIAL RELEASE MEASURES

Spill precautions	Spillages of this product are unlikely to enter the environment due to the unit dose method of packaging.
Spill containment	Prevent product from entering the sewers, waterways, or low areas.
Spill clean-up	Shovel or sweep up. DO NOT flush with water. Place material in a clean, dry container and cover for disposal. Wash contaminated areas with water and detergent. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand or other absorbent material. Shovel or sweep up. Never return to container for reuse. (See section 13 for disposal instructions.)

7. HANDLING AND STORAGE

Storage	Store in the closed, original container in a dry, well ventilated area, as cool as possible out of direct sunlight and under lock and key. Keep from contact with fertilisers, fungicides and seeds. Do not store with Classes 1, 2, 3.2, 4 or 5 substances. Stores containing more than 10,000 kg of this product, either alone or in aggregate with other Hazardous substances are subject to requirement of an emergency management response plan, secondary containment and signage.
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8. EXPOSURE CONTROLS/PERSONNAL PROTECTION

No specific controls or personal protection required.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	None
Form	Gel inside syringe
pH	5.4-6.4
Vapour Pressure	2.5×10^{-8} Pa (a.i.) active ingredient
Solubility in Water	0.2 ppm (a.i.)
Corrosivity	Non corrosive
Oxidisation	Not an oxidiser.

(Also, see sections 5 & 10)

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and storage conditions.
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11. TOXOCOLOGICAL INFORMATION

Inhalation	Not tested, as it is not a potential route of exposure.
Eye irritation	Not an eye irritant.
Skin irritation	Not a skin irritant.
Toxicity Data	
	Oral LD ₅₀ : > 5,000 mg/kg in rats
	Dermal LD ₅₀ : > 5000 mg/kg in rats

12. ECOLOGICAL INFORMATION

Indoxacarb	Fish 96 hour LC ₅₀ – Rainbow trout: 0.65 mg/L, 96 hour LC ₅₀ – Bluegill sunfish: 0.90 mg/L 48 hour LC ₅₀ – Daphnia magna: 0.60 mg/L, Algae EC ₅₀ (120hr) > 0.11mg/L. Aquatic photolysis 3.8 days (pH 5.0) Avoid contamination of any water supply with chemical or empty container. DT ₅₀ in tama silt loam soil = 17days. K _{ow} log P = 4.65. Worms LC ₅₀ (14 days) > 1,250mg/kg Acute Oral LD ₅₀ – Bobwhite Quail 98 mg/kg, > 2,250 mg/kg mallard duck. Acute Dietary LC ₅₀ – Bobwhite Quail: 808 ppm Acute Dietary LC ₅₀ – Mallard Duck: > 5650 ppm (9.3B) Bee LD ₅₀ (48hr) 0.18µg/bee (contact), oral LD ₅₀ (48hr) > 1,000ppm/bee. (9.4A)
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13. DISPOSAL CONSIDERATION

Dispose of empty, used containers by wrapping in paper, placing in plastic bag and putting in garbage.



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14. TRANSPORTATION INFORMATION

Proper Shipping Name NA
Hazard Class NA
UN NO. NA
Packing Group NA

15. REGULATORY INFORMATION

HSNO Approval Code HSR 07061

16. OTHER INFORMATION

Glossary

ACGIH American Conference of Governmental Industrial Hygienists.
DT₅₀ Time(days) for 50%loss.
EC₅₀ Median effective concentration.
EEL Environmental Exposure Limit.
ERMA Environmental Risk Management Authority
HSNO Hazardous Substances and New Organisms.
IARC International Agency for Research on Cancer.
K_{oc} Organic carbon partition coefficient (ml soil water/g organic carbon)
LC₅₀ Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD₅₀ Lethal dose to kill 50% of test animals/organisms.
NOEL No observable effect level.
OSHA American Occupational Safety and Health Administration.
P_{ow} The octanol-water partition coefficient is the ratio of the concentration of a chemical in octanol and in water at equilibrium at a specified temperature.
TEL Tolerable Exposure Limit.
TLV Threshold Limit Value-an exposure limit set by responsible authority.
WES Workplace Exposure Limit

Miscellaneous

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 (New Zealand) Limited
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