



SAFETY DATA SHEET

DUPONT™ ADVION® COCKROACH GEL BAIT

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|--------------------------------|---|
| Material Identification | Advion® cockroach gel bait |
| Product description | Indoxacarb gel bait |
| Recommended use | Insecticide bait for control of cockroaches. |
| 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 | 6.5B(skin sensitiser), 6.9B(target organ systemic toxicant), 9.1C(aquatic toxicant), 9.4B(terrestrial invertebrate toxin) |
| Hazards | May cause sensitisation from prolonged skin contact. May cause organ damage from repeated oral exposure at high doses. Ecotoxic-harmful to aquatic life with long lasting effects. Toxic to terrestrial invertebrates. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS No. | Proportion |
|------------------------------|----------------|-------------------|
| Indoxacarb | 173584-44-6 | 0.6% |
| Related Isomers & impurities | not allocated | < 0.6% |
| Inert Ingredients | | > 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. |



SAFETY DATA SHEET

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. |
|----------------|---|

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No specific controls or personal protection required.



SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|--|
| Odour | None |
| Form | Gel |
| pH | 4.5-6 |
| 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.

11. TOXICOLOGICAL 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 LC₅₀ – Rainbow trout: 0.65 mg/L,
96 hour LC₅₀ – Bluegill sunfish: 0.90 mg/L
48 hour LC₅₀ – Daphnia magna: 0.60 mg/L, Algae EC₅₀ (120hr)
> 0.11mg/L. Aquatic photolysis 3.8 days (pH 5.0)
Avoid contamination of any water supply with chemical or empty
container.
DT₅₀ in tama silt loam soil = 17days. K_{ow} log P = 4.65.
Worms LC₅₀ (14 days) > 1,250 mg/kg
Acute Oral LD₅₀ – Bobwhite Quail 98 mg/kg, > 2,250 mg/kg mallard
duck.
Acute Dietary LC₅₀ – Bobwhite Quail: 808 ppm
Acute Dietary LC₅₀ – Mallard Duck: > 5650 ppm (9.3B)
Bee LD₅₀ (48hr) 0.18 µg/bee (contact), oral LD₅₀ (48hr) > 1,000ppm/bee.
(9.4A)

13. DISPOSAL CONSIDERATION

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



SAFETY DATA SHEET

14. TRANSPORTATION INFORMATION

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

15. REGULATORY INFORMATION

HSNO Approval Code HSR 05120

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
For further information Freefone 0800 658080

The DuPont Oval Logo, DuPont™ and Advion® are Trademarks or Registered Trademarks of DuPont or its affiliates