

SAFETY DATA SHEET

Date of Issue: 01/10/09
Issue Number 001

RENTOKIL ADVANCED COCKROACH GEL

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: RENTOKIL ADVANCED COCKROACH GEL

MANUFACTURERS CODE: 556627

USE: Insecticidal bait gel for cockroach control

COMPANY IDENTIFICATION : Rentokil Initial NZ Limited
Private Bag 92905, Onehunga
Auckland
tel (+64) 9 - 588 4500
fax (+64) 9 - 573 0264

Emergency Telephone Number: 0800 POISON (0800 764 766)

2. HAZARDOUS IDENTIFICATIONS:

EMERGENCY OVERVIEW

Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

ERMA New Zealand Approval Code: HSR0000676

Hazard Classifications : 6.9B, 9.1B, 9.2C, 9.4A



TOXIC



ECOTOXIC

Signal word: WARNING

Hazard Statements:

H363 May cause damage to organs (liver) through prolonged or repeated exposure

H411 Toxic to aquatic life with long-lasting effects

H423 Harmful to the soil environment

H441 Very toxic to terrestrial invertebrates

Precautions Statements:

P103 Read label before use

P273 Avoid release to the environment

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3. COMPOSITION/INFORMATION ON INGREDIENTS

| Common name | CAS. No | % w/w |
|-----------------------------------|-------------|-------|
| Imidacloprid | 138261-41-3 | 2.15 |
| Other ingredients (non-hazardous) | | > 97 |

4. FIRST AID MEASURES

For advice contact a doctor or the National Poison Centre , telephone 0800 764 766 [0800 POISON] in every case of suspected poisoning. Have product label or this Safety Data Sheet at hand.

EYES: Hold eyes open and carefully rinse eyes with running water for 15 minutes. Remove contact lenses, if present and easy to do after first 5 minutes then continue rinsing. Seek medical advice if irritation persists.

SKIN: Remove contaminated clothing and wash affected area with soap and water.

INGESTION: Rinse mouth with water. Immediately call a doctor for treatment advice.

INHALATION: Not a likely exposure route as product is in form of a gel.

ADVICE TO DOCTOR: Treat symptomatically. Gastric lavage is not usually necessary. However activated charcoal and sodium sulphate is always advisable if significant amount ingested.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non flammable

FLAMMABLE LIMITS:

LFL: Not applicable

UFL: Not applicable

EXTINGUISHING MEDIA: Water, foam, CO₂, dry chemical .

HAZARDS FROM COMBUSTION PRODUCTS: In the event of a fire, toxic fumes/gases may be produced. Keep intact containers cool by spraying with water. Do not release contaminated extinguishing media into the environment (waterways, streams, drains, sewers).

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spill. Clean up immediately. Wear appropriate personal protective equipment to prevent skin contact, e.g. gloves. Collect spill into suitable containers for disposal. Decontaminate area by washing with detergent and water. Use smallest volume of water practicable to avoid contamination of watercourse or the ground.

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DISPOSAL: Dispose of by burial at an approved landfill in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. Wear gloves and avoid contact with eyes. Wash hands before meals and after use. Avoid contamination of watercourse and ground. Do not apply onto or into water. Avoid uses or applications harmful to beneficial invertebrates, e.g. honey bees.

Approved Handler: Not required.

Tracked Substance: No

STORAGE: Store in tightly closed original container in a dry place out of reach of children, and away from food, drink and animal foodstuffs. Avoid storage at temperatures below 0°C or above 30 °C.

Signage : Required at places where quantities exceed 100 kg

Location Certificate: No

Incompatible materials: None identified.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: No Workplace Exposure Standard (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance.

ENGINEERING CONTROLS: Not required.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Not required.

Skin protection: Synthetic rubber or PVC gloves recommended.

Respiratory protection: Not required.

Other: Avoid contact with skin and touching eyes/face when using. Wash hands after using.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Form: | Gel |
| Colour: | White to beige |
| Odour | Slight characteristic smell |
| Melting point : | 144 °C (imidacloprid) |
| Vapour pressure: | 4 x 10 ⁻⁷ mPa at 20°C (imidacloprid) |
| Flash point : | Non flammable |
| Density: | ~ 1.2 |
| Solubility in water: | Miscible |
| pH: | 4.4 – 5.0 (1% in water) |
| Partition coefficient (n-octanol/water): | 0.57 (imidacloprid) |

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable under normal storage and use conditions. Avoid extremes of temperature, e.g. below 0 °C and above 30°C. Avoid contact with sources of ignition and strong oxidizing agents as a precaution.

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INCOMPATIBILITY (MATERIALS TO AVOID): None identified

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating/toxic fumes or gases may be evolved in the event of a fire.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

EYE: May cause irritant effects. Not classified as eye irritant.

SKIN: May irritate skin but not identified as skin irritant.

INGESTION: Product is not classified as having acutely toxic by ingestion. Repeated oral exposure may cause organ (liver) damage.

INHALATION: Product is not classified as having acutely toxic effects by inhalation route.

CANCER INFORMATION: No adverse effects identified.

TERATOLOGY (BIRTH DEFECTS): No adverse effects identified.

REPRODUCTIVE DEFECTS: No adverse effects identified.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): No adverse effects identified.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Product is classified as may cause adverse effects on systems or target organs by repeated or prolonged exposure.

TOXICOLOGICAL DATA:

| | | |
|---------------------------|------------------------------|--|
| Acute oral toxicity | LD ₅₀ (mouse) | 130 mg/kg (for imidacloprid) |
| Acute oral toxicity | LD ₅₀ (rat) | >5000 mg/kg (for product) |
| Acute dermal toxicity | LD ₅₀ (rabbit) | > 5000 mg/kg (for product) |
| Acute inhalation toxicity | LC ₅₀ , 4hr (rat) | > 5323 mg/m ³ (for imidacloprid) |

12. ECOLOGICAL INFORMATION

This product has been identified as being ecotoxic in the aquatic environment, harmful in the soil environment and very toxic to terrestrial invertebrates.

Imidacloprid has not been identified as being bioaccumulative but can be mobile in soil and persistent in the environment.

Ecotoxicity data:

| | | | |
|--------------|----------------|---------------------------|--------------------|
| Imidacloprid | Rainbow trout | LC ₅₀ 96hr | 83 mg/L |
| | Mysid | EC ₅₀ (48 hr) | 0.0038 mg/L |
| | Earthworm | LC ₅₀ (14 day) | 2.3 mg/kg dry soil |
| | Japanese quail | LD ₅₀ | 31 mg/kg |
| | Bees | Toxic by direct contact | |
| | | LD50 (48 hr) | 0.0037 µg/bee |

Environmental Exposure Limits (EEL's): None set

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13. DISPOSAL CONSIDERATIONS

Dispose of product or residues to an approved landfill in accordance with Regional Authority or local council bylaws.

Single empty containers can be disposed of by wrapping in paper or putting in a plastic bag and disposing of in household rubbish.

14. TRANSPORT REGULATIONS

PUBLIC PASSENGER VEHICLE TRANSPORT:

HSNO Regulations limit packages to no more than 1 L when carried on passenger service vehicles.

DANGEROUS GOOD CLASSIFICATION:

UN Number: 3077

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S (contains imidacloprid)

CLASS: 9

HAZCHEM: 2Z

ADDITIONAL INFORMATION: CONTAIN SPILLAGE

Packing Group: III (or IV) - refer section 15

Further information: Consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2007 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

HSNO Act, 1996

ERMA New Zealand Approval Code: HSR000676

Refer to www.ermanz.govt.nz for information on the Controls specific to this substance approval.

Packaging requirements: In quantities over 5 kg must be packaged according to Schedule 3 (UN PG III), and according to either Schedule 3 or Schedule 4 when in quantities equal to or less than 5 kg.

Emergency Management: Level 1 for all quantities
Level 2 for quantities of 3kg or more
Level 3 for quantities of 1000 kg or more

ACVM Act, 1997

Registration not required for to this product /end-use.

16. OTHER INFORMATION

Reasons for Issue: New Safety Data Sheet for new Rentokil product.

Replaces: Not applicable

RENTOKIL ADVANCED COCKROACH GEL

Abbreviations:

| | |
|------|---|
| ACVM | Agricultural Compounds & Veterinary Medicines |
| ERMA | Environmental Risk Management Authority |
| HSNO | Hazardous Substances & New Organisms |

References:

ERMA website; www.ermanz.govt.nz

Supplier Safety Data Sheet

Other:

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Rentokil Initial Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET