



DAVID GRAY & CO. PTY LIMITED
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PO BOX 2084 PALMYRA DC WA 6961
Ph: (08) 9337 4933 Fax: (08) 9337 8316
email: general@davidgray.com.au web: www.davidgray.com.au

MATERIAL SAFETY DATA SHEET

Product Name **DAVID GRAYS CRICKET & GRASSHOPPER KILLER BAIT**

13. DISPOSAL CONSIDERATIONS

- Waste Disposal** For small amounts, collect and re-use product. Contact the manufacturer or local council for additional information if larger amounts are involved. Dispose of empty packaging by wrapping in a plastic bag and placing in garbage.
- Legislation** Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

- Transport** Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail.
- UN Number** None Allocated
- DG Class** None Allocated
- Subsidiary Risk(s)** None Allocated
- Packing Group** None Allocated
- Hazchem Code** None Allocated

15. REGULATORY INFORMATION

- AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
- Poison Schedule** Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16. OTHER INFORMATION

- Additional Information** ORGANOPHOSPHATES-CARBAMATE PESTICIDES-LARVICIDES: These agents act by combining with and inactivating the enzyme acetylcholinesterase (an enzyme involved in nerve muscle coordination). The inhibition of the cholinesterase appears to be reversible following cessation of exposure at sub lethal concentrations (acute exposure). The principal manifestations of poisoning with cholinesterase inhibitor pesticides are visual disturbances, respiratory difficulty and gastrointestinal hyperactivity.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency

Colour
Rating
AMBER



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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name DAVID GRAY & CO PTY LIMITED
Address 2 Rawlinson Street, O'Connor WA, 6163, AUSTRALIA
Telephone (08) 9337 4933
Fax (08) 9337 8316
Emergency (08) 9337 4933 (B/H)
Email / Web www.davidgray.com.au

Synonyms 07955 (1 KG) - MANUFACTURER'S CODE, 25292 (12.5 KG) - MANUFACTURER'S CODE, CRICKET & GRASSHOPPER KILLER BAIT (FORMERLY), CRICKET AND GRASSHOPPER KILLER BAIT.

Uses PESTICIDE.

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
1-NAPHTHYL-N-METHYLCARBAMATE (CARBARYL)	C12-H11-N-O2	1.8%	63-25-2
GRAIN		Not Available	Not Available
CARRIER		Not Available	Not Available

4. FIRST AID MEASURES

Eye Flush gently with running water. Seek medical attention if irritation persists.

Inhalation If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

Skin Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.

Fire and Explosion Non flammable. Evacuate area and contact emergency services. Toxic gases (carbon/ nitrogen oxides, hydrocarbons) may be evolved. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool

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5. FIRE FIGHTING MEASURES cont.

Intact containers and nearby storage areas.

Extinguishing Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt, collect and place in sealable containers for reuse or disposal. Wear dust-proof goggles and PVC/rubber gloves. Where heavy contamination is possible or where an inhalation risk exists, wear a Class P1 (Particulate) respirator and coveralls.

7. HANDLING AND STORAGE

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

Storage Store in cool, dry, well ventilated area, removed from fertilizers, moisture, seeds, acids, oxidising agents, alkalis, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Ensure adequate natural ventilation. Maintain dust levels below the recommended exposure standard.

Exposure Standards 1-NAPHTHYL-N-METHYLCARBAMATE (CARBARYL) (63-25-2)
ES-TWA : 5 mg/m3
WES-TWA : 5 mg/m3

PPE Wear coveralls, dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear full-length PVC or full-length rubber gloves and PVC boots. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: TAN COLOURED PELLETS
Odour: SLIGHT ODOUR
pH: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE

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9. PHYSICAL AND CHEMICAL PROPERTIES cont.

Vapour Density: NOT AVAILABLE
Boiling Point: NOT AVAILABLE
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
Solubility (water): NOT AVAILABLE
Specific Gravity: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Flammability: NON FLAMMABLE
Flash Point: NOT RELEVANT
Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT
Autoignition Temperature: NOT AVAILABLE

10. STABILITY AND REACTIVITY

Reactivity Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. nitric acid), alkalis (eg. sodium hydroxide) and heat sources.

Decomposition Products May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low to moderate toxicity - irritant. Use safe work practices to avoid eye or skin contact and dust generation and inhalation. Carbamates may cause reversible anticholinesterase enzyme inhibition. Rapidly metabolised and excreted. When handled in small quantities the potential for dust inhalation and adverse health effects are reduced. No adverse health effects are expected when the product is used in accordance with label directions.

Eye Irritant. Direct contact may result in irritation, lacrimation, pain and redness. Toxic effects may include blurring or dimness of vision and small pupils (miosis).

Inhalation Irritant. Over exposure may result in mucous membrane irritation of the nose and throat, coughing, weakness, blurred vision, nausea, vomiting, incoordination, breathing difficulties, excessive salivation and sweating.

Skin Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion Low to moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, and profuse sweating and/or salivation. Large doses may result in breathing difficulties, muscle spasms, and convulsions.

Toxicity Data 1-NAPHTHYL-N-METHYLCARBAMATE (CARBARYL) (63-25-2)
LD50 (Skin): 2000 mg/kg (rabbit)
LD50 (Ingestion): 128 mg/kg (mouse)
Carcinogenicity: Unclassifiable carcinogenicity in humans (IARC Group 3)

12. ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

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16. OTHER INFORMATION cont.

and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWAVES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

Report Reviewed 8th November 2005

Date Printed 8th November 2005

Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department. The information is based on the latest chemical and toxicological research, and in compliance with relevant standards, guidance notes and legislation (where applicable). The Chem Alert report is not intended as a replacement to the manufacturer's original MSDS that is provided to Chem Alert subscribers for convenience. In many instances, Chem Alert reports are compiled on behalf of manufacturers, in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

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