



DAVID GRAY & CO PTY LIMITED

A.C.N. 008 671 127

2 Rawlinson Street O'Connor PO Box 2084 Palmyra DC
Western Australia 6961

Ph (08) 9337 4933 Fax (08) 9337 8316

Internet: www.davidgray.com.au (MSDS's & Company Information)

Emergency Telephone Number (08) 9337 4933
(During Office Hours 8am to 4.30pm Monday to Friday)

Date of Issue: January 2010

Page 1 of 6

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: David Grays Ant Dust

OTHER NAME: Diazinon Ant Dust

MANUFACTURERS CODE: 08351 (12x500g)

USE: To control ants in the home garden as per the label directions.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia):
Classified as NOT HAZARDOUS according to the criteria of NOHSC.

RISK PHRASES: None allocated

SAFETY PHRASES: None allocated

INGREDIENTS

| CHEMICAL NAME | CAS.NO. | PROPORTION |
|---|----------|------------|
| Diazinon | 333-41-5 | 3%w/w |
| Other inerts determined to be non-hazardous | - | 97%w/w |

FIRST AID MEASURES

GENERAL:

In every case of suspected poisoning, contact a doctor or a Poisons Information Centre immediately.
(Phone: 131126)

SWALLOWED:

Seek medical attention immediately.

If cannot reach medical assistance immediately, induce vomiting preferably using Ipecac Syrup APF. Give one Atropine Sulphate tablet every quarter hour until dryness of the mouth occurs. Seek medical attention.

NOTE: Do not give fluids, tablets or induce vomiting if patient is unconscious or convulsing.

EYE:

Hold eyelid open and flush eyes with water for at least 15 minutes. Seek medical attention if symptoms occur.

SKIN:

Immediately remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. Do not scrub skin. If symptoms of poisoning occur, seek medical attention immediately.

INHALED:

Remove patient to fresh air. If difficulty in breathing is experienced, give oxygen and artificial respiration if necessary. Seek medical attention if symptoms occur.

FIRST AID FACILITIES:

Soap, water, eyewash, Ipecac Syrup APF, atropine sulphate tablets.

ADVICE TO DOCTOR:

Diazinon is a cholinesterase inhibitor. Preferred antidote: atropine by injection or atrovent/ipratorium by airway puff.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Foam, carbon dioxide (CO₂) or dry chemical extinguishers may be used. Water can be used but is not the preferred extinguishing media, as it will create water run-off. Run-off must be contained to prevent contamination of the environment.

HAZARDOUS DECOMPOSITION PRODUCTS: High temperature decomposition may give toxic oxides of carbon, phosphorus, nitrogen and sulfur.

FIRE FIGHTING PERSONAL PROTECTIVE EQUIPMENT: Self-contained breathing apparatus

HAZCHEM CODE: Not applicable

ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE: Spill or leak area should be isolated immediately. Advise emergency services if required (FESA). Keep all unauthorised persons away from the area. Contain spill if safe to do so. (See below)

CONTAINMENT AND CLEAN UP

Large Spill: Contain spill. Cover any open drains with plastic, rubber etc. (See section handling and storage for PPE requirements). Do not allow entry into waterways. Collect (shovel or sweep) absorbent material into sealable steel or plastic containers, clearly labelled. Disposal of contaminated material must be done in accordance with State and/or Local regulations.

Small spills: Contain and sweep up product wearing the recommended personal protective equipment. The best way to use the spilt product is in as it was originally intended, in accordance with the label directions. If spilt indoors, once absorbed and removed, wash contaminated surface with a mild detergent solution.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact of the product with hands, skin, eyes and avoid breathing dust. Do not allow the product to enter the mouth.

Wash hands, face, arms and any other exposed parts of the body immediately after use and before eating, drinking, smoking or going to the toilet.

Avoid contact with food or food utensils.

STORAGE:

Store product in original container only in a locked, well ventilated area, out of direct sunlight and out of the reach of children. Keep away from foodstuffs.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)

Diazinon – 0.1mg/m³

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

BIOLOGICAL LIMIT: No information available

ENGINEERING CONTROLS:

Use only in a well ventilated area (outdoor use only).

PERSONAL PROTECTIVE EQUIPMENT:

For maximum protection, when handling the product, we recommend the following to be worn:

- overalls or long sleeved clothing and pants, covered footwear and a washable hat
- gloves
- dust mask
- eye protection (goggles)

Remove contaminated clothing immediately and wash thoroughly (separate from other clothing) after each days use.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|-------------------------------------|
| APPEARANCE: | Fine white to off-white powder |
| ODOUR: | Slightly characteristic of Diazinon |
| pH: | Not applicable |
| VAPOUR PRESSURE: | 0.097mPa @ 20°C (pure diazinon) |
| VAPOUR DENSITY: | Not applicable |
| BOILING POINT: | Not applicable |
| MELTING POINT: | Not applicable |
| SOLUBILITY IN WATER: | Not soluble |
| SPECIFIC GRAVITY: | Not applicable |
| FLASH POINT: | Not applicable |
| FLAMMABILITY LIMITS: | Not applicable |
| IGNITION TEMPERATURE: | Not applicable |

STABILITY AND REACTIVITY

| | |
|--|--|
| CHEMICAL STABILITY: | Stable at normal storage conditions |
| CONDITIONS TO AVOID: | Moisture and high temperatures |
| INCOMPATIBLE MATERIALS: | Acids, alkalis, and moisture. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | High temperature decomposition may give toxic oxides of carbon, phosphorus, nitrogen and sulfur. |
| HAZARDOUS REACTIONS: | None known |

TOXICOLOGICAL INFORMATION**GENERAL:**

No adverse health effects are expected when the product is used in accordance with label directions. If mishandled (excessive exposure) may cause organophosphorus cholinesterase inhibition. Poisoning symptoms include headaches, dizziness, nausea, diarrhoea, incoordination, muscles twitching, abdominal cramps, tightness in chest, sweating, blurred vision, salivation, and excessive urination convulsions.

In every case of suspected poisoning, contact a doctor or a Poisons Information Centre immediately. (131126)

ACUTE**SWALLOWED:**

The acute oral toxicity is moderate. Oral LD50 (rat) 10g/kg body weight (product).

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low, however repeated exposure may result in absorption of harmful amounts. Repeated skin contact may cause allergic reactions. Dermal LD50 (rabbit) >70g/kg body weight (product).

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to dust may be harmful. Prolonged exposure to the dust may cause eye and respiratory irritation, dizziness and headaches. Inhalation LD50 (rats) 3.5mg/L (4 hours) (Diazinon).

CHRONIC:

If mishandled (chronic exposure) may cause organophosphorus cholinesterase inhibition. Diazinon does not cause generic change or accumulate in the body. Evidence exists in animals that Diazinon could be embryotoxic.

ECOLOGICAL INFORMATION

ECOTOXICITY: Diazinon is highly toxic to birds, aquatic animals and bees and moderately toxic to pets and livestock.

PERSISTENCE AND DEGRADABILITY: In soil, hydrolysis and microbial action readily degrade Diazinon. The half-life of Diazinon ranges from fourteen to twenty eight days, depending on soil type and climatic conditions.

MOBILITY: If diazinon is released into soil, it will not be expected to strongly bind to soil and will be expected to exhibit moderate mobility in soil.

DISPOSAL CONSIDERATIONS

Disposal of contaminated material must be done in accordance with State and/or Local regulations. Dispose of empty containers by wrapping in a plastic bag and placing in the rubbish. Do not burn empty containers or product. Do not allow chemical containers or product to contaminate drains, sewers, streams, ponds or any waterway.

TRANSPORT INFORMATION

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN NUMBER: Not Applicable

CORRECT SHIPPING NAME: Not Applicable

DANGEROUS GOODS CLASS: Not Applicable

SUB-CLASS:
PACKAGING GROUP: Not Applicable

SPECIAL PRECAUTIONS FOR USER: Not Applicable

HAZCHEM CODE: Not Applicable

REGULATORY INFORMATION

No further information available.

| |
|--------------------------|
| OTHER INFORMATION |
|--------------------------|

CONTACT POINT

TITLE: Technical Department

TELEPHONE NUMBER: (08) 9337 4933

AUTHORISED:
Celine Schnell

DATE: 20 .01.2010

NOTICE:

This Material Safety Data Sheet has been developed according to the Worksafe Australia/NOHSC Codes of Practice.

The information contained herein is given in good faith however and is considered accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein.

No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to alter this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours, or via e-mail [mailto:general@davidgray.com.au](mailto:general@ davidgray.com.au)