



# GARRARDS

PTY. LTD.  
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BRISBANE • GOLD COAST • SYDNEY • MELBOURNE  
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# Material Safety Data Sheet

'classified as **hazardous** according to criteria of Worksafe Australia'.

## IDENTIFICATION

**PRODUCT NAME:** Garrards Termite Powder Insecticide

**U.N. Number:** 1562  
**Dangerous Goods Class:** 6.1 ( no sub risk )  
**Packaging Group:** 11  
**Product group:** Inorganic Arsenic oxide  
**Use:**

**Shipping name:** Arsenical dust  
**Hazchem code:** 2X  
**Poisons Schedule:** S7

An arsenical dust insecticide for the external control of termites by licensed pest control operators only as per Directions For Use label.

**ALWAYS READ LABEL COMPLETELY BEFORE USING THE PRODUCT**

### Physical Description / properties ( of product ):

**Appearance:** red coloured dust/powder  
**Boiling point:** No data  
**Melting point:** *sublimes* at approx 197° C  
**Per cent volatiles:** Nil  
**Specific gravity:** Solid  
**Flash point:** Does not burn  
**Flammability limits:** N/A  
**Autoignition Temperature:** Product is not flammable or explosive.

Product is soluble in water and stable under normal use and storage conditions and corrosive to skin

### Other properties:

**Chemical entity:** Arsenic Trioxide  
**CAS No.:** 1327-53-3  
**Proportion:** 45-55%  
Other ingredients are non hazardous chemicals to 100% w/w

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**HEALTH HAZARD INFORMATION**

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**Health effects:**

Arsenic trioxide was classified by Worksafe Australia as Class 1 carcinogen. There has been evidence published to establish an association between human exposure and the development of cancer.

**Acute:**

Product is a dangerous poison and may be fatal if inhaled, swallowed or absorbed through skin. Skin contact may cause burns so avoid contact with bare skin. Repeated minor exposure may have a cumulative poisoning effect which may include: burning lips, constriction of the throat and difficulty in swallowing followed by gastric pain, projectile vomiting and diarrhoea. Patients complain of marked skeletal muscle cramps and severe thirst which as loss of fluid proceeds symptoms of shock appear. Hypoxic convulsions may occur terminally with coma and death in severe poisoning within an hour to 24 hours.

Primary routes of exposure is inhalation, skin and eye:

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|--------------------|---|
| <b>Swallowed:</b>  | very toxic if swallowed, may cause breathing difficulties.          |
| <b>Eye:</b>        | very irritating upon ocular contact, may cause blindness.           |
| <b>Skin:</b>       | very irritating to skin, may cause burning                          |
| <b>Inhalation:</b> | very irritating to membranes, may cause coughing & chest discomfort |

**Chronic:**

Early signs of chronic poisoning are muscle weakness and aching, skin pigmentation hyperkeratosis and oedema. Garlic breath odour and perspiration with excessive salivation and sweating, stomatitis and generalized itching, sore throat, coryza, lacrimation, numbness, burning/tingling of the extremities, dermatitis, vitiligo and alopecia.

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|--------------------|---|
| <b>First Aid:</b>  | If poisoning occurs contact a Doctor or Poisons Information Center 131126.  |
| <b>Eyes:</b>       | hold eyes open and wash eyes with copious amounts of fresh running water for at least 15 minutes ensuring irrigation under eyelids by lifting same. Do not remove contact lenses unless medically trained. Seek further medical advice if irritation continues. |
| <b>Skin:</b>       | remove contaminated clothing and wash skin with soap and water for at least 15 minutes. Seek further medical advice if irritation continues.  |
| <b>Inhalation:</b> | move to fresh air if breathing difficulty and lay down keeping warm and rested. If breathing shallow or stops apply CPR or give oxygen and transport to hospital immediately.   |

**First Aid stations incorporating showers and eye wash baths should be available or close by where the product is being used.**

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| <b>Advice to Doctor:</b> | The specific antidote is <b><u>dimercaprol</u></b> for arsenic poisoning preferably by injection. Oliguria and proteinuria and haematuria is usually present with eventually anuria occurring in severe cases. |
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## PRECAUTIONS FOR USE

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Toxic by inhalation and if swallowed, Danger of cumulative poisoning effects and may cause cancer.  
Risk phrases R33, R45 with combined R23/25:

- Exposure limits:** 0.05 mg/m<sup>3</sup> ( TWA\* ) STEL not set.
- Time weighted Average = average airborne concentration of substance over a 8 hour day for a 5 day week
- Ventilation:** Ventilation must be sufficient to minimize exposure to values below the TWA. ie local exhaust, capture of substance at source.
- Personal Protection:** When opening the Product container and using product wear cotton overalls buttoned to the neck and wrist and washable hat, rubber gloves, impervious footwear, face shield or goggles and half face respirator ( see AS 1715 ) with dust cartridge or canister. After use and before eating, drinking or smoking wash hands arms and face thoroughly with soap and water. After each days use or shift wash gloves respirator or face piece face shield or goggles and contaminated clothing. An eyewash and quick drench must be provided and available to product users. Employers must provide all the above equipment for workers use of product and have it laundered commercially with this MSDS attached to soiled clothing and equipment.  
**Users of product must be permitted to leave the work area every 2 hours to wash there hands and face and obtain a clean respirator. No food or drink or smoking is allowed in work area.**
- Flammability:** Not flammable. Product does not burn.

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## SAFE HANDLING INFORMATION

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Dangerous Poison S7 – observe State and local regulations for storage and transport and sale:

Keep out of reach of children and pets and in a locked labelled container. Safety phrases are S28, S44  
Combination phrases are S1/2, S20/21. Avoid contact with skin. When handling or using do not eat drink or smoke. If poisoning occurs contact a Doctor or Poisons Information Center 131126.

- Storage and Transport:** **Dangerous Good for Transport Class 6.1 Toxic Substance:**  
**NOT** to be transported with **Classes 1** ( explosives ) **3** ( Flammable Liquids nb nitromethane only ) **5.1** ( oxidizing agents ) **5.2** ( organic peroxide ) **6.1** ( toxic substances ) **& 7** ( radioactive substances ) **foodstuff's and foodstuff empties.** Keep from extreme heat and open flames and keep away from water or acids. Containers to be sealed.
- Spills and Disposal:** In a major spill Call OOO emergency services. Evacuate area to public. Wear protective clothing and equipment as in personal protection and breathing apparatus. Stop leak if safe to do so. Contain spill, sweep up and shovel recoverable product in to labeled containers for disposal. Wash area preventing product and runoff from going into drains and water courses. Dispose of in accordance with State and local regulations. Clean up of personal equipment as above in personal protection.

**Fire / Explosion Hazard:** Product is not flammable or explosive under normal condition's.

Wear full protective clothing and self contained breathing apparatus when fire fighting.

Heat does not produce any known toxic decomposition products.

Small or no chance of an explosion if product involved in a fire however product sublimes ( *changes form to vapour*) at 197° C therefore toxic concentrations in the air near vicinity of fire may exist.

Will not polymerize and has no known decomposition chemicals.

AVOID strong acids, strong alkali's and strong oxidising agents.

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#### OTHER INFORMATION

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**Environmental:** Active is toxic to fish, bees and wildlife.

This MSDS has been prepared in accordance with the requirements of Worksafe Australia.

Contact point: Mr A Garrard Ph 07 3881 1693 or emergency services 000

**National Poisons Information Center AUSTRALIA 13 1126  
or *New Zealand 03 4747000***

*The information above is correct and accurate to the best of our knowledge. However no warranty, expressed or implied is made as to its accuracy or completeness of data herein. Further research and investigation maybe required for your particular use of this product.*