

SAFETY DATA SHEET



Garrards Pty Ltd	Date Issued: 23 March 2015
Brendale Qld, 4500	www.garrards.com.au
Ph: (07) 3881 1693	Fax: (07) 3881 1781

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Permethrin Dust 10

COMPANY IDENTIFICATION:

Garrards Pty Ltd
PO Box 5477
Brendale MDC, Queensland 4500

USE: Insecticide dusting powder for control of various pests.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Permethrin 25:75	52645-53-1	1%
Talc	14807-96-6	VHIGH
Other ingredients determined non-hazardous.		LOW

Proportion (% weight per weight): VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

3. HAZARDOUS IDENTIFICATIONS:

- Classified as hazardous according to Safe Work Australia.

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

EYE: May irritate eyes

SKIN: Not irritant to skin

INGESTION: Low oral toxicity

INHALATION: Inhalation of dust may cause respiratory irritation.

SYSTEMIC (other target organ): Data from animal studies indicate the liver and the lining of nerve tracts.

CANCER INFORMATION: Pyrethroids are not thought to be carcinogenic. However permethrin may be a weak tumor-former, or oncogen, in mice and rats. It is suspected of having carcinogenic effects.

TERATOLOGY (Birth defects): Is not a Teratogenic.

REPRODUCTIVE EFFECTS: Data from animal studies indicate reproductive effects.
MUTAGENICITY: Is not mutagenic.

4. FIRST AID:

If poisoning occurs, immediately contact a doctor or **Poisons Information Centre (telephone 13 11 26)**, and follow the advice given. Show this Safety Data Sheet to a doctor.

EYE: Rinse immediately with plenty of water for at least 15 minutes, holding eye open and taking care to rinse under eyelids as well. If irritation persist seek medical attention.

SKIN: Wash off skin immediately with soap and plenty of water. Remove all contaminated clothing and shoes. Seek medical advice if irritation persists. Launder contaminated clothing before re-use.

INGESTION: Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice.

INHALATION: Remove victim to fresh air. Seek medical advice if symptoms are experienced.

NOTE TO PHYSICIAN / FIRST AIDERS: Treat Symptomatically. Note the nature of this product.

5. FIRE FIGHTING MEASURES:

FLASH POINT: Not flammable

EXTINGUISHING MEDIA: Extinguish fire with water spray and prevent run off from entering drains.

FIRE AND EXPLOSION HAZARDS: Not flammable but will produce hydrogen chloride gas.

FIRE-FIGHTING EQUIPMENT: Full protective clothing should be worn.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS:

In case of spills it is important to take all steps necessary to:

- Avoid eye and skin contact.
 - Avoid contamination of waterways.
- Keep all bystanders away.
 - Wear full-length clothing and PVC gloves.
 - Shovel the spill into drums

SAFETY DATA SHEET



Garrards Pty Ltd

Date Issued: 23 March 2015

Brendale Qld, 4500

www.garrards.com.au

Ph: (07) 3881 1693

Fax: (07) 3881 1781

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING

AND STORAGE: Store in a cool dry place away from direct sunlight. Store away from food and food stuffs for animal or human consumption. Store in its original container well sealed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

EXPOSURE GUIDELINES: Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established.

TWA of Respirable dust 2.5mg/m³ for Talc (containing no asbestos fibres)

ENGINEERING CONTROLS: In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Avoid skin and eye contact and inhalation of vapour. Wear overalls, eye protection and impervious gloves. Use adequate ventilation. Eye washing and shower facilities available.

EYE / FACE PROTECTION: Face and eye protection should be worn. For help in selecting suitable equipment consult AS 1336 and AS/NZS 1337.

SKIN PROTECTION: Wear chemical resistant PVC or nitrile gloves. Wear cotton overalls and washable cotton hat. Wear boots. For help in selecting suitable gloves consult AS 2161. For help in selecting suitable clothing consult AS 2919. For help in selecting boots consult AS/NZS 2210

RESPIRATORY PROTECTION: Use in well-ventilated area. For help in selecting suitable equipment consult AS/NZS 1715.

APPLICATIONS AND ALL OTHER HANDLERS:

After handling this product always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: White powder

ODOUR: Odourless

SOLUBILITY IN WATER: Not soluble in water

SPECIFIC GRAVITY: Not Applicable

BOILING POINT: Not Applicable

COROSIVENESS: Not Corrosive

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions. React with oxidising agents.

INCOMPATIBILITY: Avoid strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is unlikely to spontaneously decompose.

HAZARDOUS POLYMERIZATION: This product is unlikely to spontaneously polymerise.

11. TOXICOLOGICAL INFORMATION:

Permethrin technical:

- LD₅₀ Oral (rat): 430 mg/kg
- LD₅₀ Dermal (rat): > 6000 mg/kg
- LC₅₀ Inhalation (rat): 2.3 mg/L/4hrs

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA: This substance has low mobility in soil. It has a high potential for bioaccumulation but is rapidly eliminated from fish (about 80% in 14 days). There is evidence of degradation in soil and water. The half-life in soil is less than 38 Days.

ECOTOXICOLOGY: Active ingredient – Permethrin:

AQUATIC TOXICITY:

Very toxic to aquatic organisms

96 hr LC₅₀ (rainbow trout): 2.5 ug/L

48 hr LC₅₀ (rainbow trout): 5.4 ug/L.

45 hr LC₅₀ (bluegill sunfish): 1.8 ug/L.

48 hr LC₅₀ (Daphnia magna): 0.6 ug/L

TERRESTRIAL TOXICITY:

Toxic to bees

24 hr Oral LD₅₀ (bee): 0.098 ug/bee

24 hr Topical LD₅₀ (bee): 0.029ug/bee.

Oral LD₅₀ (chicken): > 3000 mg/kg.

Oral LD₅₀ (Japanese quail): > 13,500 mg/kg.

SAFETY DATA SHEET



Garrards Pty Ltd	Date Issued: 23 March 2015
Brendale Qld, 4500	www.garrards.com.au
Ph: (07) 3881 1693	Fax: (07) 3881 1781

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of empty, used containers by;

- Triple rinsing with water.
- Plastic bags to be disposed of according to local authority. Breaking, crushing or puncturing the containers to prevent reuse.
- Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50cm of soil at a licensed/approved disposal site. **DO NOT** burn empty containers or product.

14. TRANSPORT INFORMATION:

ROAD AND RAIL TRANSPORT: Exempt (AU01) from classification as Dangerous Goods by the criteria of the Australian dangerous goods Code (ADG) for the transport by Road and Rail.

MARINE TRANSPORT: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea.

UN No. 3077
Class 9 PG III
Environmentally Hazardous Substance, Solid,
N.O.S. (Contains Permethrin)

AIR TRANSPORT: Classified as dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

UN No. 3077
Class 9 PG III
Environmentally Hazardous Substance, Solid,
N.O.S. (Contains Permethrin)

15. REGULATORY INFORMATION:

POISON SCHEDULE: Not scheduled

R43 may cause sensitization by skin contact.

16. OTHER INFORMATION:

All information in this data sheet is provided in good faith and is believed to be correct. Each user should consider the information in this safety data sheet within the context of their particular application as Garrards Pty Ltd cannot anticipate or control conditions under which this product may be used. Garrards Pty Ltd will not be responsible for any damages arising out of the use or reliance upon the information in this safety data sheet. No

expressed or implied warranties are given other than those implied mandatory by Commonwealth, State or Territory legislation.

Please read all labels carefully before use.

**Contact: Emergency Services
Ph: 000
Poisons Information Centre
13 11 26**