

# SAFETY DATA SHEET



Garrards Pty Ltd	Date Issued: 15 June 2016
PO Box 5477	Brendale, Qld, 4500
Ph: (07) 3881 1693	Fax: (07) 3881 1781
<a href="http://www.garrards.com.au">www.garrards.com.au</a>	

## 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Permethrin 25:75

### COMPANY IDENTIFICATION:

Garrards Pty Ltd  
PO Box 5477  
Brendale, Queensland 4500

**USE:** Industrial strength Insecticidal dusting powder for control of various pests.

## 2. HAZARDOUS IDENTIFICATIONS:

**Not hazardous according to criteria of Safe Work Australia.**

### GHS Classification of the substance/mixture

- Hazardous to the aquatic environment (acute) – category 1
- Hazardous to the aquatic environment (chronic) – category 1

**Signal Word(s):** WARNING

### Hazard Statement(s)

- H410 Very toxic to aquatic life with long lasting effects

### Precautionary Statement(s) – General

- P101 If medical advice is needed, have product container, label or SDS at hand
- P102 Keep out of reach of children
- P103 Read label before use

### Pictogram(s)

Environment



### Precautionary Statement(s) – Prevention

- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe mists or spray
- P271 Use only outdoors or in a well ventilated area
- P280 Wear protective gloves, clothing, eye and face protection
- P284 Wear respiratory protection

### Precautionary Statement(s) – Response

- P302+P352 If on skin: wash with plenty of soap and water.
- P304+P340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338+P310 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call Poisons Information Centre (13 11 26) or a doctor.
- P308+P313 If exposed or concerned: get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

## 3. 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

## 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.

**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.

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## 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.
1. Keep all bystanders away.
  2. Wear full-length clothing and PVC gloves.
  3. Shovel the spill into drums

## 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/m<sup>3</sup> for inspirable dusts or mists when limits have not otherwise been established.

TWA of Respirable dust 2.5mg/m<sup>3</sup> 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 to tan coloured 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:

- LD<sub>50</sub> Oral (rat): 430 mg/kg
- LD<sub>50</sub> Dermal (rat): > 6000 mg/kg
- LC<sub>50</sub> 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

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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.

#### 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.

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea and of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

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

#### 15. REGULATORY INFORMATION:

**POISON SCHEDULE:** None

Signal word: None

This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA number 55091

#### 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**  
**Australia 13 11 26**  
**New Zealand 03 474 7000**