

SAFETY DATA SHEET

	Garrards Pty Ltd	Date Issued: 24/08/2017
	PO Box 5477	Brendale 4500
	Phone: (07) 3881 1693	Fax: (07) 3881 1781
	www.garrards.com.au	

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Bifenthrin Sand

COMPANY IDENTIFICATION:

Garrards Pty Ltd
PO Box 5477
Brendale, Queensland 4500

USE: Insecticide.

2. HAZARDOUS IDENTIFICATIONS:

Classified as non-hazardous according to criteria of Safe Work Australia

GHS Classification of the substance/mixture

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

Signal Word(s): None

Hazard Statement(s)

- H410 Very toxic to aquatic life

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
- P280 Wear protective gloves, clothing, eye and face protection

Precautionary Statement(s) – Response

- P302+P352 If on skin: wash with plenty of soap and water.
- 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.
Bifenthrin	82657-04-3	2g/kg
Other ingredients determined non-hazardous.		VHIGH

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.

5. FIRE FIGHTING MEASURES:

FLASH POINT: Not applicable.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water fog.

FIRE AND EXPLOSION HAZARDS: If a significant quantity of this product is involved in a fire, call the fire brigade. Fire decomposition products from this product may form toxic mixtures in confined spaces.

FIRE-FIGHTING EQUIPMENT: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

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. Reposition any leaking containers so as to minimise further leakage.

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- Shovel the absorbed spill into drums and top with hydrated lime.
- Disposal of the sand will depend on the extent of the spill.
 - For quantities up to 50kg of product bury in a secure land fill site.
 - For quantities greater than 50kg seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
- Decontaminate spill area with hydrated lime scattered over the spill prior to rinsing off with water.

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. A time weight average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for any of the ingredients in this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established.

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 dust. 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: Light brown sand
ODOUR: None

VOLATILE METATERIALS: No Specific data. Expected to be low at 100°C

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

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:

Bifenthrin:

- LD₅₀ Oral (rat) = 54 - 70 mg/kg
- LD₅₀ Dermal (rat) > 2000 mg/kg
- Inhalation LC₅₀ (rat) > 1.01 mg/L

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA:

Do not contaminate streams, rivers or waterways with this product. Immobile in soil.

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ECOTOXICOLOGY:

Bifenthrin:

- 96hr LC₅₀ (rainbow trout) 0.00015 mg/L
- LC₅₀ (Daphnia magna) 0.0016 mg/l
- LD50 (Mallard duck) 2150 mg/kg
- LD50 (Bobwhite quail) 1800 mg/kg

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of empty, used containers by;

- (a) Triple rinsing with water. Dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- (b) Breaking, crushing or puncturing the containers to prevent reuse.
- (c) 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 by the criteria AU01 of Australian Dangerous Goods Code 7 (ADG) for the transport by Road and Rail.

This product is classified as Dangerous Goods by the International Maritime Dangerous Goods code (IMDG) and International Air Transport Association (IATA) dangerous goods regulation for the transport by sea or air.

UN No: 3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (CONTAINS BIFENTHRIN 0.2%).

Class: 9 Miscellaneous Dangerous Goods

PG: III

Marine Pollutant

Hazchem Code: 2Z

15. REGULATORY INFORMATION:

POISON SCHEDULE: None

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

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
Ph: 13 11 26**