

SAFETY DATA SHEET



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

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Country Triflumuron 480g/L

COMPANY IDENTIFICATION:

Garrards Pty Ltd
PO Box 5477
Brendale MDC, Queensland 4500

USE: Insecticide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS Reg. No.	Conc.
Triflumuron	64628-44-0	480 g/L
Water	7732-18-5	HIGH
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:

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

EYE:

Mildly irritating

SKIN:

Mildly irritating

INGESTION:

Non-toxic but may cause nausea, vomiting and/or diarrhoea.

INHALATION:

Not expected to cause respiratory irritation unless as an aerosol. Inhalation of high concentrations may result in respiratory irritation.

SYSTEMIC (other target organ):

Non data available

CANCER INFORMATION:

Data suggests non-carcinogenic.

TERATOLOGY (Birth defects):

No current data available

MUTAGENIC EFFECTS:

Data suggests non-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 persists 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.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water fog (or if unavailable fine water spray) foam, dry agent (carbon dioxide, dry chemical powder)

FIRE AND EXPLOSION HAZARDS: Heating / combustion will generate oxides of carbon and nitrogen, and other irritant toxic fumes.

FIRE-FIGHTING EQUIPMENT: Fire Fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

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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4. Dam and absorb spill with an absorbent material (e.g. sand or soil).
5. Shovel the absorbed spill into drums and top with hydrated lime.
6. Disposal of the absorbent material will depend on the extent of the spill.
 - For quantities up to 50L of product bury in a secure land fill site.
 - For quantities greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
7. Decontaminate spill area with hydrate 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 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. If risk inhalation risk exists wear organic vapour respirator. For help in selecting suitable equipment consult AS/NZS 1715.

APPLICATIONS AND ALL OTHER HANDLERS:

When opening the container and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow length PVC gloves, face shield or goggles. 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, viscous suspension

ODOUR: Slight odour

SOLUBILITY IN WATER: Emulsifies in water.

SPECIFIC GRAVITY: 1.175

BOILING POINT: Not Available

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:

Triflumuron:

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- Oral LD₅₀ (rat): > 5000 mg/kg
- Dermal LD₅₀ (rat): >5000 mg/kg
- Skin: Slight irritant (rabbit)
- Mucous membrane: non-irritant (rabbit)

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL DATA:

- Triflumuron degrades fairly rapidly in soil.

ECOTOXICOLOGY:

- Canary – LD₅₀ > 1000mg/kg
- Bobwhite quail – LD₅₀ 561mg/kg
- Daphnia Magna – EC₅₀ 0.23 mg/L (48hrs)
- Rainbow trout – LC₅₀ 157mg/L (96hrs)
- Golden Orfe LC₅₀ > 100mg/L (96hrs)
- Green algae IC₅₀ > 0.025 mg/L (96hrs)

- Triflumuron is a toxic hazard to juvenile aquatic and terrestrial arthropods.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Dispose of empty, used containers by;

- (a) Triple rinsing with water. Add the rinsings to the tank mix or 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: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

MARINE TRANSPORT: Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT: Not Classified as Dangerous Goods by the criteria of the International Air Transport

Association (IATA) Dangerous Goods regulations for transport by air.

15. REGULATORY INFORMATION:

POISON SCHEDULE: S5

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**