

MATERIAL SAFETY DATA SHEET

GUARDIAN OUTDOOR SPRAY

Manufactured & Distributed by:

Synvita CC

Registration Holder:

Lifeguard Sciences (Pty) Ltd
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Emergency Telephone No or An Authorised Advisory Centre

Griffon Poison Centre : (082) 4468946

1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Commercial Name:	Guardian Insect Spray
Appearance:	White Plastic Container with Blue Trigger Head
Use:	Control of Crawling Insects
SA Registration Number:	L6493 of Act 36 of 1947
Namibia Registration Number:	N-AR1221
Zimbabwe Registration Number:	15D-112-25-D-93-20

2) COMPOSITION / INFORMATION ON INGREDIENTS

Permethrin	Pyrethroid	CAS No.: 52645-53-1
Tetramethrin	Pyrethroid	CAS No.: 7696-12-0
Piperonyl Butoxide	Synergist	CAS No.: 51-03-6

Ingredients not precisely identified are proprietary or none hazardous.

3) HAZARDS IDENTIFICATION

Product contains pesticide active ingredients that are poisonous.

4) FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Centre. Inform them of the complete product name, active ingredient and amount of exposure. Describe any symptoms and follow the advice given. Symptoms of acute exposure may result in eye, skin or respiratory tract irritation. A skin sensitization (allergic) reaction may occur in persons sensitive to pyrethroids.

Ingestion:	If victim is fully conscious, give a large quantity of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.
Eye Contact:	Immediately rinse eyes with a large amount of water. Hold eyelids apart to rinse the entire surface of the eyes and eyelids. Do not apply any medicating agents except on the advice of the physician.
Skin Contact:	Wash with plenty of soap and water, including hair and under the fingernails. Do not apply any medicating agent except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.
Inhalation:	Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Notes to Physician

There is no specific antidote if this product is ingested. Treat symptomatically.

5) FIRE FIGHTING MEASURES

Specific Hazard:	Contents are non-flammable.
Decomposition of Product in Fire:	Under thermal decomposition may emit irritating and toxic fumes.
Fire Extinguisher Agents:	Foam, chemical dry powders and halogenated agents.
Protection For Fire-fighters:	Chemical impermeable gloves, safety goggles or face shield, effective protection or self-contained breathing apparatus as dictated by circumstances, full-length protective clothing and boots.

Specific Methods:

No unprotected person should be allowed in the vicinity. Cool down container with water. Contain spillage using sand or earth barriers or other absorbent materials. Evacuation of area may be necessary in the event of a fire. Decontaminate area thoroughly by removing all spillage.

6) ACCIDENTAL RELEASE MEASURES

PRECAUTIONS

Personal

No unprotected person should be allowed in the vicinity. Chemical impermeable gloves, safety goggles or face shield, effective protection or self-contained breathing apparatus as dictated by circumstances, Lightweight, full-length protective clothing and boots.

Environmental

Take all necessary precautions to protect the contamination of waterways and sewage systems. Product is toxic to fish and bees.

Methods For Cleaning

Contain spillage using sand or earth barriers or other absorbent material. Evacuation of area may be necessary in the event of a fire. Decontaminate area thoroughly by removing all spillage. Place in suitable labelled containers.

7) HANDLING AND STORAGE

Handling Warnings

Do not eat or drink or smoke while working with container.

Precautions

Avoid contamination of food, feed stuffs and drinking water and keep out of reach of children and unformed persons.

Storage

Keep at ambient temperature. Protect from direct sunlight and heat. Store in a well ventilated area.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

In the manufacturing process minimise exposure in accordance with good hygiene practice. Ensure area is well ventilated and protective clothing is used to protect eyes and body. Suitable dust mask or respirator for pesticides should be used for respiratory protection and eyewash and safety shower should be available in the work area.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	RTU Trigger/bottle
Weight:	750 ml (net)
Colour:	Milky liquid
Odour:	Low odour (insecticide)
Flash point:	Not applicable
Flammability Limit:	Not applicable
Ignition Point:	Not applicable

10) STABILITY AND REACTIVITY

Stability:	Stable under normal temperatures.
Compatibility:	The Pyrethroids are incompatible with alkaline substances resulting in hydrolysis and loss of insecticidal activity.
Decomposition:	The tetramethrin & piperonyl butoxide decomposes in light resulting in loss of insecticidal activity.
Fire:	Decomposes in a fire to emit acrid smoke and irritating fumes.

11) TOXICOLOGICAL INFORMATION

Acute Symptoms of Human Exposure

May cause dermatitis in sensitized individuals. Persons sensitive to pyrethroids are prone to allergic reactions that include respiratory discomfort.

(Permethrin)

LD₅₀ acute oral in rats (corn oil): 1479 -4672 mg/kg

LD₅₀ acute dermal in rats: >2000 mg/kg

(Tetramethrin)

LD₅₀ acute oral, rats: 4640 mg/kg

LD₅₀ acute dermal, rabbit: >4000 mg/kg

(Piperonyl Butoxide)

LD₅₀ acute oral, rats: >5000 mg/kg
LD₅₀ acute dermal, rabbit: >2000 mg/kg

12) ECOLOGICAL INFORMATION

No ecological data available.

When used for the purpose for which it was intended, no ecological problems are expected. Avoid contamination of the soil, surface and ground water.

13) DISPOSAL CONSIDERATION

The product and its packaging should be disposed of in accordance with local and national legislation.

14) TRANSPORT INFORMATION

International Regulations

UN No:	3082
WHO Classification:	111 (slightly hazardous)
INCO:	9 (Other Dangerous Goods)
Hazard Number:	90
Packing group:	III
Declaration for land shipment: 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)
Declaration for sea shipment: 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (deltamethrin mixture)
Declaration for shipment by air: 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(deltamethrin mixture)

Classified as not dangerous for transport.

15) REGULATORY INFORMATION

Risk phases:	R 10, 20, 25
Safety phase:	S 2, 13, 16

16) OTHER INFORMATION

The data contained herein is based on current knowledge and information on the date of publication and is given in good faith but without warranty. No responsibility is accepted for errors or omissions