

## MATERIAL SAFETY DATA SHEET

Publication Date: May 2005  
Revised On: June 2014

Sheet No: Guard/SA 01/5  
Revision number: 5

### **GUARDIAN INSECT SPRAY**

**Manufactured & Distributed by:**

Synvita CC

**Registration Holder:**

Lifeguard Sciences (Pty) Ltd  
Reg. No. 2014/079879/07  
Monaghan Farm  
Private Bag X 3  
Lanseria  
1748  
SOUTH AFRICA

Tel: 033 3461920  
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Emergency Telephone No or An Authorised Advisory Centre:

Griffon Poison Centre : (082) 4468946

#### **1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION**

<b>Commercial Name:</b>	<b>Guardian Insect Spray</b>
<b>Registration Number:</b>	L 6493
<b>Appearance:</b>	White Plastic Container with Blue Trigger Head
<b>Use:</b>	Control of Crawling Insects

#### **2) COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Permethrin</b>	Pyrethroid
<b>Tetramethrin</b>	Pyrethroid
<b>Piperonyl Butoxide</b>	Synergist

Ingredients not precisely identified are proprietary or none hazardous.

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**3 Pentrich Road, Pietermaritzburg, 3201 • P.O. Box 13221, Cascades, 3202, Republic of South Africa**

### 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.

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Revised On: June 2014

Sheet No: Guard/SA 03/5  
Revision number: 5

#### **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**

#### **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 uniformed 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.

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Sheet No: Guard/SA 04/5  
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## 9) PHYSICAL AND CHEMICAL PROPERTIES

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

## 10) STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal temperatures.
<b>Compatibility:</b>	The Pyrethroids are incompatible with alkaline substances resulting in hydrolysis and loss of insecticidal activity.
<b>Decomposition:</b>	The tetramethrin & piperonyl butoxide decomposes in light resulting in loss of insecticidal activity.
<b>Fire:</b>	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)

LD <sub>50</sub> acute oral in rats (corn oil):	1479 -4672 mg/kg
LD <sub>50</sub> acute dermal in rats:	>2000 mg/kg

#### (Tetramethrin)

LD <sub>50</sub> acute oral, rats:	4640 mg/kg
LD <sub>50</sub> acute dermal, rabbit:	>4000 mg/kg

#### (Piperonyl Butoxide)

LD <sub>50</sub> acute oral, rats:	>5000 mg/kg
LD <sub>50</sub> acute dermal, rabbit:	>2000 mg/kg

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## 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)

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 or the consequences thereof.

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