

## MATERIAL SAFETY DATA SHEET

Publication Date: March 2017  
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Sheet No: Vapro/SA 01/6  
Revision number: 1

### VAPRO

**Manufactured & Distributed by:**

Synvita CC

**Registration Holder:**

Lifeguard Sciences (Pty) Ltd

Reg. No. 2014/079879/07

PO Box 13221, Cascades,

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

Commercial Name:

**Vapro**

Appearance:

Total Release Aerosol Container

Use:

Control of insects of public health importance and stored product insects. Cockroaches, Mosquitoes, Tobacco Beetles, Litter Beetles, Ant, Fish Moths, Crickets, Bedbugs & Fleas.

SA Registration Number:

L10065 of Act 36 of 1947

Zimbabwe Registration Number:

15-D-111-32-D-190-5-D-147-3

#### 2) COMPOSITION / INFORMATION ON INGREDIENTS

Cypermethrin:	Pyrethroid	CAS No.: 52315-07-8	EINECE No.: 257-842-9	Xn, N
Prallethrin:	Pyrethroid	CAS No.: 23031-36-9	EINECE No.: 249-013-5	Xn, N
Pyriproxifen:	IGR	CAS No.:95737-68-1	EINECE No.: 429-800-1	N
Piperonyl Butoxide:	Synergist	CAS No.: 51-03-6	EINECE No.: 200-076-7	N

Ingredients not precisely identified are proprietary or none hazardous.

#### 3) HAZARDS IDENTIFICATION

Hazards: Product contains pesticide active ingredients that are poisonous. Avoid contact with the contents and prevent contamination of foodstuffs and water.

Contains:

Cypermethrin, Prallethrin, Pyriproxifen and Piperonyl butoxide

May cause irritation of the skin, eyes and mucous membrane. Toxic to aquatic life.

#### 4) FIRST AID MEASURES

Eye:

Wash thoroughly with clean water for 15 minutes.

Skin:

Wash thoroughly with soap and water.

Ingestion:

Do not induce vomiting. Seek medical attention immediately.

Inhalation:

Avoid excessive inhalation. Remove person to a well-ventilated area.

If misuse of this product results in accidental illness **SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO THE MEDICAL PRACTITIONER.**

**Notes to Physician: Symptoms**

**Local:**

Skin and eye paraesthesia may be severe, usually transient with resolution within 24 hours.

**Eye and mucous membrane irritation:**

Cough, sneezing.

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<b>Systemic:</b>	Discomfort and tightness in the chest, Tachycardia, Hypotension, Nausea, Abdominal pain, Diarrhoea, Vomiting, Dizziness, Blurred vision, Headache, Anorexia, Convulsions, Tremors, Prostration.
<b>Risks</b>	This product contains pyrethroids.
<b>WHO-classification:</b>	III (Slightly hazardous)
<b>Treatment</b>	<u>Initial Treatment</u> symptomatic. After eye contact: Instillation of local anaesthetic drops e.g. 1% Amethocaine Hydrochloride eye drops. Give Analgesics as necessary. <u>Systemic treatment:</u> Initial treatment: symptomatic. Monitoring of respiratory and cardiac functions. In case of ingestion perform gastric lavage, administer charcoal (carbo medicinalis) and sodium sulfate. Anti-convulsive therapy: Diazepam i.v. is the remedy of choice; barbiturates, e.g. phenobarbital and calcium gluconate, may also be used. In case of shortness of breath, give oxygen.
<b>Contraindication:</b>	Derivatives of adrenaline and atropine. Spontaneous recovery. There is no specific antidote.

## 5) FIRE FIGHTING MEASURES

<b>Specific Hazard</b>	Contents are combustible but not volatile.
<b>Decomposition of Product in Fire</b>	Under thermal decomposition may emit irritating and toxic fumes.
<b>Fire Extinguisher Agents</b>	Foam
<b>Protection For Fire-fighters</b>	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.
<b>Specific Method</b>	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

<b>PRECAUTIONS</b>	
<b>Personal</b>	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, full-length protective clothing and boots.
<b>Environmental</b>	Take all necessary precautions to protect the contamination of waterways, surface water and sewage systems.
<b>Methods For Cleaning</b>	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

No specific precautions required.	
Do not eat or drink or smoke while working with container.	
<b>Precautions</b>	Avoid contamination of food, feed stuffs and drinking water.
<b>Storage</b>	Keep at ambient temperature. Protect from direct sunlight and heat. Store in a well ventilated area.

## 8) EXPOSURE CONTROL/PERSONEL PROTECTION

<b>Personal Protective Equipment.</b>	In normal use and handling conditions please refer to the label and/or brochure. In all other cases the following recommendations would apply. Respiratory Protection, Hand Protection, Eye protection, Skin and body protection
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No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance. Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Always wash hands before eating, drinking, smoking or using the toilet. Wear goggles conforming to EN166 (Field of Use 5 or equivalent). Wear standard coverall and type 3 suit.

#### Hygiene measures

When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Wash hands immediately after work, if necessary take a shower.

### 9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, white-coloured, liquid
Colour:	Clear, honey-coloured
Odour:	Slight aromatic

### 10) STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions.
Incompatibility/ materials to avoid:	Unknown
No hazardous reaction when stored and used according to the label instructions	

### 11) TOXICOLOGICAL INFORMATION

This product is moderately hazardous if inhaled, swallowed and on skin contact.

#### Formulation

LD <sub>50</sub> acute oral, rats:	>4500 mg/kg – male and 700 mg/kg - female
Skin irritation:	none
Eye irritation:	none

### 12) ECOLOGICAL INFORMATION

Toxicity to fish:	This material is very toxic to fish.
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### 13) DISPOSAL CONSIDERATION

The product and its packaging should be disposed of in accordance with Local Authority legislation.

### 14) TRANSPORT INFORMATION

International Regulations: **ADR/RID/ADNR**

UN No:	3082
Class:	9
IMDG:	3082
Packing group:	111
Hazard Number:	90

Classified as not dangerous for transport by road and sea.

### 15) REGULATORY INFORMATION

Labels:	9
Packaging group:	III
EMS:	F-A, S-F
Marine pollutant	

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Description of goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
AEROSOL  
IATA  
UN Number: 3351  
Labels: 9  
Packaging group: III  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(PERMETHRIN SOLUTION)

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Hazard warning labelling compulsory.

Hazardous components that must be listed on the label:

Prallethrin  
Cypermethrin  
Piperonyl butoxide  
Pyriproxfen  
Symbol(s)

Xi Irritant  
N Dangerous for the environment  
R43 May cause sensitization by skin contact.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S24 Avoid contact with skin.  
S35 This material and its container must be disposed of in a safe way.  
S37 Wear suitable gloves.  
S57 Use appropriate container to avoid environmental contamination.  
To avoid risks to man and the environment, comply with the instructions for use.

R-phrase(s)

S-phrase(s)

Exceptional labelling

#### 16) OTHER INFORMATION

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: May cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

**Classified as not dangerous for road and sea transport. WHO-classification: III (Slightly hazardous)**

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.